



**Timing and abundance of flowering and fruiting of woody plants in Hørsholm Arboretum
results from three years survey**

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Anders Ræbild and Jerry W. Leverenz



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Magnolia kobus flowering, late april 2004

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Introduction

The Arboretum in Hørsholm (55°52' N, 12°30' E) is attached to the Danish Centre for Forest, Landscape and Planning, under the Faculty of Life Sciences, and part of The University of Copenhagen. The Arboretum has an extensive collection of woody plant species of known origin. There are approximately 2000 woody plant taxa in the collection, representing 295 genera and 101 plant families. This collection is used to study how plants from different parts of the world thrive in response to the Danish environment. A study of the potential of plants spreading from the arboretum to the surrounding area was made to understand how well the collection's plants were adapted to the Danish environment (Nielsen & Leverenz 2002). It was also made to check if there were any potential problem-species that needed to be studied in more detail, or if control programs were needed. In this study of the area within 2 km in all directions from the Arboretum, we found no plant species that were definitely spreading from the Arboretum collection. This was a surprising result, but it became clear that we needed to know if the plants were producing flowers (pollen) and fruit (seed) in order to have a clearer understanding of the negative results. As a first step we have begun to record if, and when, the taxa in the collection produce flowers (and thus pollen), and fruits (and thereby seed).

Furthermore, as a more popular perspective, both professional and amateur-gardeners would be very interested in a tool for prolonging the season with beautiful flowers in gardens.

In this working paper we present the results from three (four) years survey. The first year (2003/2004) of this project was funded in part by the »Ettatsråd Georg Bestle og Hustru's Mindelegat«. The second and third years (2005 and 2006) were funded by G.B. Hartmanns Familiefond. The third year 2006 was also funded by G.B. Hartmanns Familiefond. Furthermore, in 2010 flowering of many *Rhododendron* species was measured in connection with a project also funded by G.B. Hartmanns Familiefond. Those flowering data are included in this workingpaper. In 2010 fruiting was not studied.

Dendrologist Jerry W. Leverenz started the flowering and fruiting project in 2003, and was responsible for the data collection in 2004, 2005 and 2006. Furthermore Jerry W. Leverenz was responsible for the writing of the two first Working papers: No. 7-2005: *Timing and abundance of flowering and fruiting in the Hørsholm Arboretum from september 2003 to october 2004* and No.15-2006: *Timing and abundance of flowering and fruiting in the Hørsholm Arboretum-results from the first two years*. Jerry W. Leverenz has not contributed directly to this Working paper and the data analysis.



Figure 1: *Prunus triloba* flowering late april 2003

Methods

Although botanists would not call the sexual reproductive organs of gymnosperms »flowers«, the term will be used, in this paper, for both gymnosperms and angiosperms for ease of writing. Likewise the term fruit will be used in a broad sense.

This project has utilized student helpers to carry out the bulk of the field work and has also been used to educate students at the Royal Veterinary and Agriculture University. For the students involved, contact with the Arboretum's living collection over an extended period greatly increased their knowledge and appreciation of the many different woody taxa and their variable responses to the seasons.

Every year, each area of the arboretum was walked through about once every week. Often more than one calendar day within a week was used to go through the entire arboretum. In the first 3 years the survey included »the entire collection«. The fourth year (2010) only *Rhododendron*-species was scored. In between we have data from 2008, but those data still need some work before comparison is possible.

Flowering and fruiting dates and abundance were recorded on a list of the plants sorted by their positions within the collection.

Identification tags on the plants were marked in pencil when a record was made (»X« for flowering, »O« for fruiting). Because the tags were not always marked, double recordings occasionally occurred. In such cases, only the first date was entered into the database. Flowering week number was recorded along with the flowering date to add security in the records.

The precision of the observations was plus or minus one week (Leverenz *et al.* 2005) and therefore 'week' numbers are used in all data analyses. Flowering dates were determined to occur for a plant when 50% or more of the flowers on a plant had opened. Occasionally it was judged that the flowers had opened the week before but were overlooked (on rarer occasions even several weeks before) and the observation was then backdated and a note made of the backdating. Forward dating was also done when plants were very close to flowering. However, forward dating was not done in the winter or early spring months, because a week of below zero weather could completely stop development of the plants. For plants with separate male and female flowers, flowering date was judged from the male flowers. For catkin producing plants this was done in most cases by tapping the catkins or shaking the branches and looking for pollen release. It was difficult to get a clear sight of the crown of tall trees, and therefore binoculars, or spotting scope, were used to observe the flowers. Even so, the tall trees could not be observed with the same accuracy as the plants with flowers near eye level. The spotting scope was only used for problem trees as it took extra time to use.

Fruiting date was judged by when 50% or more the fruit had ripened based on colour. Opening of cones or woody capsules was not used as this can be delayed for a considerable time in some species. The timing of the opening of ripe cones is an adaptation to local environments and can vary from provenance to provenance for a given species (Frankis & Lauria 1992). Fleshy fruits and some conifer cones tended to be removed by birds and other animals before we would have judged them to be ripe. Because of this the students were asked to record fruit ripening dates a bit early, especially, if they noticed that the fruits were being consumed. Nevertheless some fruits were probably missed as all the fruit were observed to disappear over a period of a few days in some species like for example *Pinus pumila* and *Podocarpus nivalis*. We also can not rule out the possibility of harvesting by visitors. People collecting in the arboretum are supposed to ask permission first but this does not always occur. Errors caused by the loss of fruits by predation are probably at most only a few percent of the whole collection, but for individual taxa this error could be misleading. For some species like *Hamamelis* species, *Larix* species or some *Pinus* species cones are held on the tree for several years. This also made it difficult to judge the fruit production, especially in tall trees where it was difficult to see the age classes, and probably added some error in the numbers of fruits recorded.

Some taxa, for example *Sinocalycanthus chinensis* produced fruit with only empty seed. These were still counted. It would be impossible for a study of this type to determine the viability of the seed for all the species studied. Thus the observation of fruiting only indicates the potential for viable seed

production and is not a guarantee that viable seeds were produced.

The Arboretum include more than 3000 taxa and the applied methods has not allowed a detailed and exhaustive set of flower and fruit observation.

Fruiting plants may have been overlooked, and fruits on many plants can be hidden by the foliage. In many cases significant underestimation of the number of ripe fruits can therefore have occurred (Leverenz 2006). Still the data were quite valuable for a positive identification of plants that have produced fruits in the years of observation.

The abundance of both flowers and fruits was registered in the following four abundance classes: 0 to 9 flowers or fruits, gave a score of 1, 10 to 99 gave a score of 2, 100 to 999 gave a score of 3, and 1000 or more a score of 4. This abundance data is not presented here, but incorporated into the Arboretum electronic database for easy access.

Results and discussion

Figure 2, shows the average number of taxa flowering over the 4 years (2004, 2005, 2006 and 2010) as well as the average number of fruiting taxa (2004, 2005 and 2006).

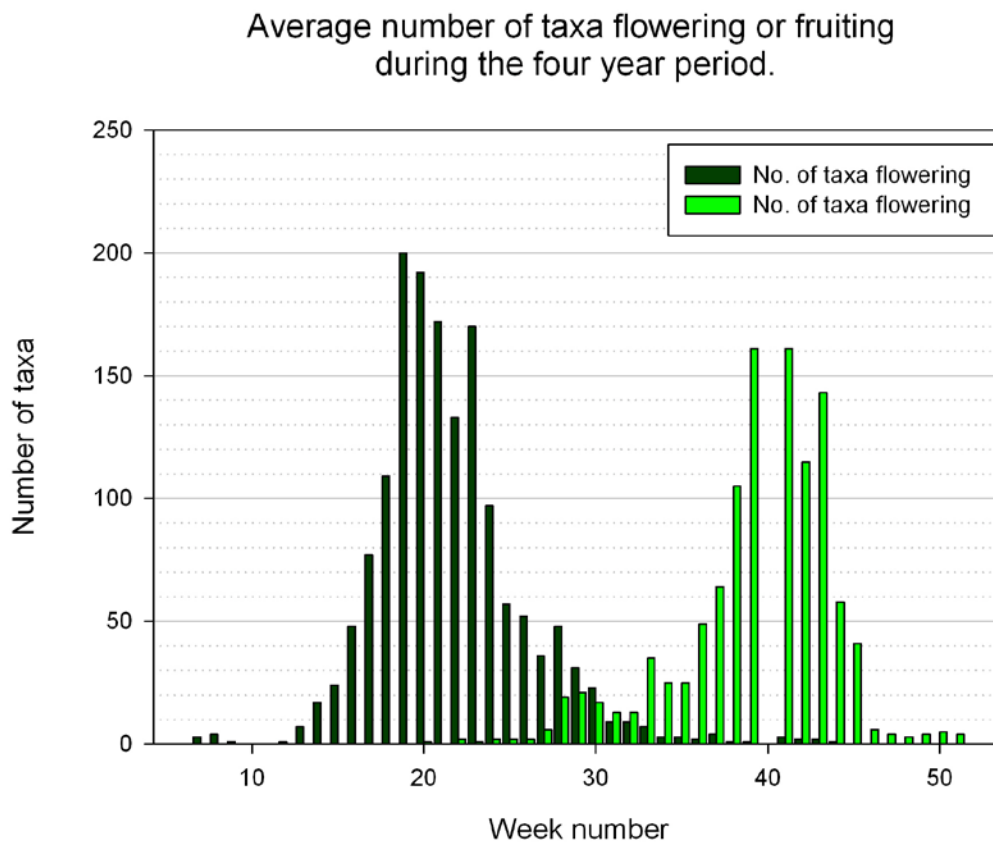


Figure 2: Average number of plants flowering in the Arboretum collection during four years study.

In appendix A, the data shows the flowering intervals of the four years: »first flower week«, »last flower week« and »mean flower week«. The data also shows »mean flower number«, »mean fruit week«, »mean fruit number« and sample size for both flowering and fruiting.

Statistical analysis of data shows that there is highly significant difference between average first flowering week, between most years as shown in table 1.

Year	Mean first flower week	2004	2005	2006	2010	Temperature sum over 5°C until 15. April
2004	21,28	-	S	S	NS	71
2005	20,95	S	-	S	S	85
2006	21,66	S	S	-	NS	23
2010	21,64	NS	S	NS	-	71

Table 1: Mean first flowering week is highly significant different (S) between most years beside 2004/2010 and 2005/2010 (NS). The difference can probably be explained by temperature sum f.ex. over 5c until the 15. of april.

Even though the dataset is limited by only 4 replications (years) it is most likely that the differences in flowering week is explained by the heat sum untill a sudden date, f.ex heat sum over 5°C untill the 15th of april as shown in table 1. In the future we will repeat this project and by then, statistical analysis will be more extensive.

Analysis also shows that the order of species flowering is almost the same every year, with an average correlation of 0,9 between years. This is botanically not surprising, but underlines that data collection has been made homogeneous and carefully, even though many students were implicated in this process.

Future aspects

In this paper results and data from a huge fieldwork are only briefly presented.

The dataset presents a unique opportunity to investigate into details about, for example, special families and how weather influence on timing of flowering and/or fruiting.

The flower observations of *Corylus sp* and *Betula sp* is especially interesting due to the allergenic effects of the pollen from these species. Data on *Corylus* has already been used by a BSc student to calculate the temperature sum needed for the species to flower, and study how the length and intensity of the pollen season is influenced by the weather conditions. Presently a study of the *Betula* complex is also planned, and links to the likely effect of climate change can be an important outcome. The studies will lead to scientific publications in relevant journals, but also publications that target a wider public audience with interest in the allergenic aspects.

Temperature recordings from 2004 and up to 2010 will be used to explain differences between flowering and fruiting week from 2004-2010. Furthermore in the future these recordings will be compared to climatic data when flowering and fruiting are measured again. This should be done in 5 to 10 years to see what effect the global warming and more extreme weather conditions have on the collection of woody plants in the Hørsholm Arboretum. Connected to another G.B. Hartmann Familiefond funded project we now have about 10 temperature sensors allocated in most parts of the Hørsholm Arboretum (installed october 2010). Until now climatic data has been provided by the nearest national weather station which is placed approximately 15 km. away.

The use of our own temperature sensors will reveal whether the Arboretum has a different microclimate than the surroundings. Experience from professional gardeners indicates that it tends to be colder in the Arboretum than places only 5 km away. Furthermore data from the winter 2010/2011 show that there are temperature differences within the Arboretum of up to 8 degrees on very cold nights. Therefore a temperature grid of the Arboretum will be very usefull in further analysis of the flowering data, as an explaining factor in statistical analysis.

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Appendix A - Flowering and fruiting data

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Abella serrata</i>	5	20	23	22,0	23	23,0	22,5	3,7	6	41,8	1,6
<i>Abies alba</i>	5	20	21	20,3	20	21	20,3	3,2	4	41,3	2,3
<i>Abies amabilis</i>	3	19	21	20,0	19	21	20,0	4,0	11	38,0	1,9
<i>Abies balsamea</i>	5	19	20	19,5	19	20	19,5	3,9			
<i>Abies borisii-regis</i>	1	20	20	20,0	20	20	20,0	2,0			
<i>Abies concolor</i>	2	20	20	20,0	20	20	20,0	3,5			
<i>Abies concolor subsp. lowiana</i>	2	19	21	20,0	19	21	20,0	4,0	4	40,8	2,8
<i>Abies fabri</i>	1	19	19	19,0	19	19	19,0	4,0	1		3,0
<i>Abies fargesii var. faxoniana</i>	5	19	21	20,0	20	21	20,3	4,0	3	41,7	3,3
<i>Abies fargesii var. sutchuenensis</i>	1	21	21	21,0	21	21	21,0	3,0	1	43,0	3,0
<i>Abies firma</i>	3	20	21	20,5	20	21	20,5	3,8	1		3,0
<i>Abies fraseri</i>									1	42,0	2,0
<i>Abies grandis</i>	9	19	20	19,3	20	21	19,4	3,9	5	39,4	1,4
<i>Abies holophylla</i>	6	19	20	19,7	20	21	19,8	4,0	5	42,3	2,3
<i>Abies homolepis</i>	32	20	20	20,0	20	21	20,7	3,0	24	42,5	2,7
<i>Abies koreana</i>	236	18	20	19,0	21	24	22,0	3,5	234	43,5	2,5
<i>Abies lasiocarpa</i>	16	19	20	19,5	20	21	19,8	2,5	18	39,8	1,3
<i>Abies magnifica var. shastensis</i>									1	41,0	1,0
<i>Abies mariesii</i>	3	19	20	19,5	19	20	19,5	4,0	5	41,6	2,6
<i>Abies nephrolepis</i>	14	19	20	19,5	20	21	20,5	3,3	13	42,0	2,4
<i>Abies nordmanniana</i>	7	19	21	20,0	20	21	20,7	3,3	5	43,3	1,6
<i>Abies nordmanniana subsp. equi-trojani</i>	3	20	21	20,5	20	21	20,5	2,5	5	37,5	3,0
<i>Abies pindrow</i>									2	43,5	1,5
<i>Abies pinsapo</i>	3	20	21	20,7	20	21	20,7	3,7	1	45,0	2,0
<i>Abies procera</i>	6	19	21	20,3	19	21	20,3	3,8	8	41,3	2,8
<i>Abies recurvata</i>	2	21	21	21,0	21	21	21,0	3,5	3	43,0	2,3
<i>Abies sachalinensis</i>	1	21	21	21,0	21	21	21,0	2,0	5	39,6	2,6
<i>Abies sibirica</i>									1	41,0	2,0
<i>Abies spectabilis</i>	1	20	20	20,0	20	20	20,0	1,0	1		1,0
<i>Abies veitchii</i>	9	19	19	19,0	20	21	19,5	3,9	9	40,5	2,9
<i>Abies veitchii var. sikokiana</i>	16	20	20	20,0	20	21	20,7	3,0	8	41,7	3,6
<i>Acer</i>	5	18	19	18,5	18	19	18,5	4,0	4	42,0	2,2
<i>Acer argutum</i>	12	17	19	18,0	18	19	18,7	3,7	2	39,5	4,0
<i>Acer buergerianum</i>	1	18	18	18,0	18	18	18,0	4,0			
<i>Acer campestre</i>	12	19	21	19,7	20	21	19,3	3,9	4	44,0	2,8
<i>Acer capillipes</i>	3	19	19	19,0	19	20	19,5	3,5	5	40,4	4,0
<i>Acer cappadocicum</i>	5	19	21	19,7	19	21	20,0	3,9	2	41,5	3,5
<i>Acer carpinifolium</i>	6	19	19	19,0	19	19	19,0	3,5	8	39,6	3,5
<i>Acer caudatum subsp. ukurunduense</i>	5	17	20	18,5	20	24	22,0	3,5	13	40,1	3,5
<i>Acer cf. circinatum</i>	3	19	20	19,5	19	20	19,5	3,3	1	41,0	2,0
<i>Acer cf. tschonoskii</i>	2	18	19	18,5	18	19	18,5	3,5			
<i>Acer circinatum</i>	54	18	19	18,7	20	21	20,3	3,9	34	39,8	2,7
<i>Acer cissifolium</i>	6	18	19	18,7	18	19	18,6	3,8	5	39,3	3,6
<i>Acer davidii</i>	3	20	20	20,0	21	21	20,7	2,7	1	42,0	2,0
<i>Acer glabrum</i>	14	18	19	18,3	19	19	18,7	3,0	3	42,0	2,3
<i>Acer glabrum subsp. douglasii</i>	5	16	19	17,5	19	19	17,5	2,4	3	39,5	3,0
<i>Acer griseum</i>	8	19	20	19,5	20	21	20,5	3,6	10	39,8	3,5
<i>Acer henryi</i>	4	18	19	18,5	19	21	20,0	3,8	3	40,0	4,0

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Acer japonicum</i>	6	17	19	18,0	19,0	18,0	19,0	18,5	4	43,0	2,5
<i>Acer japonicum</i> cv. 'Aconitifolium'	2	18	19	18,5	18,5	18,0	19,0	18,5			
<i>Acer macrophyllum</i>	3	19	19	19,0	19,0	19,0	19,0	19,0	7	36,5	3,0
<i>Acer maximowiczianum</i>									2	42,0	2,0
<i>Acer micranthum</i>	6	21	25	23,0	23,5	21,5	25,0	23,3	6	38,3	3,7
<i>Acer mono</i>	16	16	19	17,3	19,0	17,0	19,0	18,2	5	40,7	3,3
<i>Acer mono</i> var. <i>mayrii</i>	2	17	18	17,5	17,5	17,0	18,0	17,5	1	42,0	4,0
<i>Acer monspessulanum</i>	9	18	19	18,7	19,0	18,5	19,0	18,8	5	40,1	3,7
<i>Acer negundo</i>	3	17	19	18,0	18,0	17,0	19,0	18,0	2	43,0	4,0
<i>Acer negundo</i> cv. 'Pseudo-Californicum'	3	16	17	16,3	16,3	16,0	17,0	16,3	1	39,0	4,0
<i>Acer negundo</i> form <i>violaceum</i>	2	17	18	17,5	17,5	17,0	18,0	17,5	2	40,5	3,5
<i>Acer negundo</i> subsp. <i>interius</i>	7	16	17	16,3	17,7	16,5	17,3	16,9	4,0	41,3	3,9
<i>Acer palmatum</i>	21	19	20	19,3	20,3	19,0	21,0	19,9	26	40,7	3,5
<i>Acer palmatum</i> cv. 'Matsumurae'	3	18	20	19,0	19,0	18,0	20,0	19,0	2	43,0	3,5
<i>Acer palmatum</i> var. <i>amoenum</i>	4	19	19	19,0	19,0	19,0	19,0	19,0	3	38,0	3,0
<i>Acer pectinatum</i> subsp. <i>maximowiczii</i>	2	17	19	18,0	18,0	17,0	19,0	18,0	1	38,0	4,0
<i>Acer pectinatum</i> subsp. <i>pectinatum</i>	1	19	19	19,0	19,0	19,0	19,0	19,0			
<i>Acer pensylvanicum</i>	16	19	19	19,0	20,3	19,6	19,8	19,7	9	39,5	2,4
<i>Acer platanoides</i>	4	17	18	17,3	17,7	17,0	18,5	17,5	1	44,0	4,0
<i>Acer pseudosieboldianum</i>	21	18	19	18,7	19,7	18,8	19,6	19,3	18	40,6	2,8
<i>Acer rubrum</i>	15	15	16	15,7	17,0	15,7	17,6	16,4	4,0		
<i>Acer rufinerve</i>	39	18	19	18,3	20,0	19,2	19,4	19,3	28	40,8	3,5
<i>Acer saccharinum</i>	10	13	15	14,0	17	13,5	16,0	14,8	1	39,0	2,0
<i>Acer saccharinum</i> cv. 'Pyramidale'	2	14	15	14,5	14,5	14,0	15,0	14,5			
<i>Acer saccharum</i> subsp. <i>nigrum</i>	1	19	19	19,0	19,0	19,0	19,0	19,0	1	39,0	4,0
<i>Acer shirasawanum</i>	4	20	21	20,5	20,5	20,0	21,0	20,5	4	38,8	3,8
<i>Acer sieboldianum</i>	3	19	20	19,5	19,5	19,0	20,0	19,5	2	39,5	2,5
<i>Acer spicatum</i>	10	21	23	22,0	22,0	21,0	23,0	22,0	6	40,2	3,3
<i>Acer stachyophyllum</i>	5	17	19	18,3	19,3	18,5	19,0	18,8	1	41,0	3,0
<i>Acer stachyophyllum</i> subsp. <i>betulifolium</i>	13	17	19	18,3	18,7	17,8	19,0	18,6	6	38,7	2,7
<i>Acer tataricum</i>	7	22	23	22,5	24,0	23,0	23,3	23,2	17	39,6	3,5
<i>Acer tataricum</i> subsp. <i>aidzuense</i>									13	40,0	3,6
<i>Acer tataricum</i> subsp. <i>ginnola</i>	5	18	21	20,0	20,7	18,0	21,7	20,2	16	39,1	3,4
<i>Acer tataricum</i> subsp. <i>semenovii</i>	2	19	19	19,0	19,0	19,0	19,0	19,0	3	38,0	3,0
<i>Acer tegmentosum</i>	25	17	19	17,7	18,7	17,1	19,1	17,9	20	40,0	2,8
<i>Acer triflorum</i>	5	18	19	18,3	18,3	18,0	19,0	18,3	8	38,9	3,2
<i>Acer tschonoskii</i>	4	18	21	19,3	20,0	19,0	21,0	19,7	3,3		
<i>Acer tschonoskii</i> var. <i>rubripes</i>	20	16	19	17,3	19,0	17,7	19,0	18,2	13	40,7	3,2
<i>Acer ukurunduense</i>	1	20	20	20,0	20,0	20,0	20,0	20,0	3	40,0	3,3
<i>Acer X coriaceum</i> <i>Macrophyllum</i>	3	18	19	18,7	18,7	18,0	19,0	18,7	2	38,0	3,5
<i>Actinidia arguta</i>	4	27	27	27,0	27,0	27,0	27,0	27,0	1	40,0	1,0
<i>Actinidia callosa</i>									5	42,0	3,1
<i>Actinidia cordifolia</i>	1	28	28	28,0	28,0	28,0	28,0	28,0	3	40,8	3,0
<i>Actinidia kolomikta</i>	2	24	24	24,0	24,0	24,0	24,0	24,0	1	40,0	1,0
<i>Aesculus</i>	1	23	23	23,0	23,0	23,0	23,0	23,0			
<i>Aesculus bushii</i>	2	21	22	21,5	21,5	21,0	22,0	21,5	3	40,0	2,3
<i>Aesculus californica</i>	3	27	28	27,3	27,3	27,0	28,0	27,3			
<i>Aesculus flava</i>	2	22	23	22,5	22,5	22,0	23,0	22,5	2	40,5	1,5

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Aesculus glabra</i>	24	20	21	20,3	22	24	23,0	20,7	21,7	21,0	3,6
<i>Aesculus glabra subsp. arguta</i>	3	22	23	22,7	22	23	22,7	22,0	23,0	22,7	3,7
<i>Aesculus parviflora</i>	10	30	33	31,3	30	34	31,7	30,0	33,5	31,5	3,7
<i>Aesculus pavia</i>	2	23	23	23,0	23	23	23,0	23,0	23,0	23,0	3,5
<i>Aesculus turbinata</i>	3	20	21	20,7	20	21	20,7	20,0	21,0	20,7	4,0
<i>Aesculus woerlitzensis</i>	2	23	24	23,5	23	24	23,5	23,0	24,0	23,5	3,5
<i>Aesculus X carnea</i>	3	21	23	22,0	21	23	22,0	21,0	23,0	22,0	4,0
<i>Aesculus X mississippiensis</i>	4	22	23	22,5	22	23	22,5	22,0	23,0	22,5	3,8
<i>Ailanthus altissima</i>	6	28	31	29,0	28	31	29,3	28,0	31,0	29,1	4,0
<i>Alnus cf. viridis hybrid</i>	2	16	18	17,0	16	18	17,0	16,0	18,0	17,0	3,5
<i>Alnus cordata</i>	36	13	14	13,7	14	19	16,3	13,9	15,3	14,6	4,0
<i>Alnus firma</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	19,0	4,0
<i>Alnus glutinosa</i>	17	12	14	13,0	12	17	15,0	12,0	15,2	13,7	3,8
<i>Alnus hirsuta</i>	8	6	7	6,5	8	15	11,5	6,7	10,2	8,4	2,6
<i>Alnus hirsuta var. microphylla</i>	2	2	13	7,5	2	13	7,5	2,0	13,0	7,5	4,0
<i>Alnus hirsuta var. sibirica</i>	2	13	15	14,0	13	15	14,0	13,0	15,0	14,0	3,5
<i>Alnus incana</i>	10	6	13	10,3	13	18	15,3	12,0	13,8	12,8	3,7
<i>Alnus japonica</i>	1	17	17	17,0	17	17	17,0	17,0	17,0	17,0	4,0
<i>Alnus maximowiczii</i>	33	15	17	15,7	18	21	19,3	16,7	17,5	17,2	3,5
<i>Alnus pendula</i>	8	19	19	19,0	19	19	19,0	19,0	19,0	19,0	2,4
<i>Alnus rubra</i>	39	13	16	14,3	15	19	16,7	13,9	16,0	14,7	4,0
<i>Alnus subcordata</i>	13	7	14	11,0	13	14	13,7	12,4	14,0	13,1	3,6
<i>Alnus viridis subsp. crispa</i>	13	14	19	17,0	19	20	19,3	18,2	19,0	18,5	3,3
<i>Alnus viridis subsp. fruticosa</i>	4	14	16	15,0	19	20	19,5	16,5	18,0	17,3	2,0
<i>Alnus viridis subsp. sinuata</i>	36	14	18	16,3	19	19	19,0	17,4	18,7	18,2	3,6
<i>Alnus viridis subsp. viridis</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	19,0	3,0
<i>Amelanchier</i>	2	19	19	19,0	19	19	19,0	19,0	19,0	19,0	4,0
<i>Amelanchier alnifolia</i>	24	19	20	19,3	20	20	20,0	19,8	20,0	19,9	3,6
<i>Amelanchier alnifolia var. cusickii</i>	6	19	20	19,3	19	20	19,3	19,0	20,0	19,3	3,3
<i>Amelanchier amabilis</i>	12	20	21	20,3	20	21	20,3	20,0	21,0	20,3	3,2
<i>Amelanchier arborea</i>	2	18	19	18,5	18	19	18,5	18,0	19,0	18,5	4,0
<i>Amelanchier bartramiana</i>	3	19	20	19,3	19	20	19,3	19,0	20,0	19,3	3,7
<i>Amelanchier canadensis</i>	5	19	20	19,3	19	20	19,3	19,0	20,0	19,3	4,0
<i>Amelanchier fernaldii</i>	12	18	19	18,3	18	19	18,3	18,0	19,0	18,3	4,0
<i>Amelanchier florida</i>	17	19	20	19,3	19	21	20,0	19,0	20,2	19,7	3,4
<i>Amelanchier humilis</i>	14	19	20	19,3	19	20	19,7	19,0	20,0	19,5	3,5
<i>Amelanchier intermedia</i>	12	19	19	19,0	19	19	19,0	19,0	19,0	19,0	4,0
<i>Amelanchier laevis</i>	30	18	19	18,3	19	19	19,0	18,2	19,0	18,5	4,0
<i>Amelanchier ovalis</i>	16	19	21	20,0	20	24	21,7	19,5	21,1	20,5	2,4
<i>Amelanchier sanguinea</i>	2	19	20	19,5	19	20	19,5	19,0	20,0	19,5	3,5
<i>Amelanchier spicata</i>	16	19	20	19,3	19	30	22,7	19,0	22,0	20,0	3,3
<i>Amelanchier stolonifera</i>	10	19	20	19,3	19	20	19,7	19,0	20,0	19,5	3,8
<i>Amelanchier sieboldii</i>	2	18	18	18,0	18	18	18,0	18,0	18,0	18,0	4,0
<i>Amelanchier sieboldii</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	19,0	4,0
<i>Amelanchier x grandiflora</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	4,0
<i>Amorpha canescens</i>	1	30	30	30,0	30	30	30,0	30,0	30,0	30,0	4,0
<i>Amorpha fruticosa</i>	2	27	29	28,0	27	29	28,0	27,0	29,0	28,0	4,0
<i>Amorpha fruticosa var. angustifolia</i>	3	29	29	29,0	30	30	30,0	29,3	29,3	29,3	3,7

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Amorpha fruticosa</i> var. <i>tennesseensis</i>	3	30	30	30	30,0	30,0	30,0	4,0			
<i>Amorpha virgata</i>	1	29	29	29	29,0	29,0	29,0	4,0	1	41,0	
<i>Ampelopsis brevipedunculata</i>									2	39,5	
<i>Aralia</i> cf. <i>chinensis</i>									1	41,0	
<i>Aralia chinensis</i>	1	29	29	29	29,0	29,0	29,0	4,0			
<i>Aralia elata</i>	1	37	37	37	37,0	37,0	37,0	3,0	1	41,0	
<i>Aristolochia manshuriensis</i>	14	31	35	31	32,3	31,0	32,3	4,0	12	39,3	4,0
<i>Aristolochia tomentosa</i>	2	20	20	21	21,0	20,5	20,5	1,5			
<i>Aronia melanocarpa</i>	2	28	28	28	28,0	28,0	28,0	1,5			
<i>Aucuba japonica</i> cv. 'Variegata'	2	22	22	28	28,0	25,0	25,0	2,0	1	38,0	
<i>Aucuba japonica</i> cv. 'Viridis'	2	18	20	18	19,0	18,0	19,0	3,5	1	24,0	
<i>Berberis</i>	3	18	19	18	18,7	18,0	18,7	3,0			
<i>Berberis aitchisonii</i>	9	18	22	18	20,3	18,0	20,0	3,2	2	36,5	2,0
<i>Berberis amurensis</i>	7	21	23	21	22,0	21,0	22,0	3,0			
<i>Berberis amurensis</i> var. <i>japonica</i>	17	19	23	19	22,3	19,0	21,6	3,6	17	38,6	2,7
<i>Berberis amurensis</i> var. <i>latifolia</i>	33	20	21	21	21,0	20,2	21,0	3,5	53	36,5	2,9
<i>Berberis asiatica</i>	5	20	23	20	21,7	20,0	21,7	3,7	7	39,0	2,0
<i>Berberis atrocarpa</i>	2	24	25	24	24,5	24,0	25,0	3,5	8	39,3	2,7
<i>Berberis brachypoda</i>	1	19	19	19	19,0	19,0	19,0	3,0			
<i>Berberis buxifolia</i>	2	23	24	23	23,5	23,0	24,0	4,0	3	41,7	2,0
<i>Berberis cerasina</i>	10	19	20	19	20,7	19,0	20,8	2,1	7	33,5	2,3
<i>Berberis cf. mekongensis</i>	2	23	24	23	23,5	23,0	24,0	3,0	1	40,0	
<i>Berberis cuneata</i>	10	18	20	18	19,0	18,0	20,0	2,8	2	39,5	
<i>Berberis darwinii</i>	6	20	22	20	21,0	20,0	22,0	2,8	3	31,5	2,0
<i>Berberis dictyophylla</i>	26	20	22	20	22,3	20,7	22,0	3,6	21	38,5	3,0
<i>Berberis empetrifolia</i>	3	21	22	21	21,3	21,0	22,0	3,3	3	33,7	1,0
<i>Berberis gagnepainii</i>	3	16	24	16	19,3	16,0	24,0	3,0	2	41,0	
<i>Berberis georgii</i>	1	22	22	22	22,0	22,0	22,0	4,0	3	38,8	
<i>Berberis jaeschkeana</i>	4	22	24	22	23,0	22,0	24,0	2,5	4	44,0	
<i>Berberis julianae</i>	6	18	20	18	19,0	18,0	20,0	3,7	2		
<i>Berberis koreana</i>	12	22	24	23	23,3	22,2	24,0	3,3	19	38,0	2,6
<i>Berberis lempingiana</i>	3	19	24	19	21,0	19,0	24,0	3,7	2		
<i>Berberis oblonga</i>	2	21	22	21	21,5	21,0	22,0	3,5	1	40,0	
<i>Berberis orientalis</i>	8	21	22	21	22,0	21,0	22,7	3,7			
<i>Berberis parodi</i>	3	21	23	21	22,0	21,0	23,0	3,3	1	32,0	4,0
<i>Berberis poiretii</i>	9	19	21	19	20,0	19,0	21,0	3,7	9	38,3	3,3
<i>Berberis polyantha</i>	1	30	30	30	30,0	30,0	30,0	4,0	2	43,0	
<i>Berberis pruinosa</i>	3	21	23	21	21,7	21,0	23,0	4,0	1	43,0	
<i>Berberis sargentiana</i>	1	21	21	21	21,0	21,0	21,0	4,0			
<i>Berberis sieboldii</i>	3	20	21	20	20,3	20,0	21,0	3,7	2	41,0	
<i>Berberis thunbergii</i>	4	20	21	20	20,5	20,0	21,7	3,3	6	38,2	3,0
<i>Berberis thunbergii</i> cv. 'Minor'									3	42,0	3,0
<i>Berberis tischleri</i>	1	21	21	21	21,0	21,0	21,0	3,0	2	40,0	
<i>Berberis vulgaris</i>	24	20	22	23	20,7	21,9	23,2	3,4	18	33,9	3,4
<i>Berberis X julianae x thunbergii</i>	2	19	21	19	20,0	19,0	21,0	4,0			
<i>Berberis zabeliana</i>	5	21	22	21	21,5	21,0	23,0	2,6			
<i>Betula</i>									3	37,8	3,5
<i>Betula alleghaniensis</i>	22	17	18	19	17,3	17,9	18,8	3,8	18	45,3	3,8

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<i>Betula cf. pendula</i>	2	19	19	19	19,0	19,0	19,0	3,5	2	41,0	
<i>Betula chinensis</i>	2	19	19	19	19,0	19,0	19,0	3,0	3	41,5	
<i>Betula corylifolia</i>	23	18	19	18	18,3	18,0	18,7	3,8	2	40,0	
<i>Betula costata</i>	4	21	21	21	21,0	21,0	21,0	4,0	17	41,4	
<i>Betula dahurica</i>	47	16	19	19	17,7	18,5	19,3	3,6	5	43,0	3,1
<i>Betula ermanii</i>	2	19	19	19	19,0	19,0	19,0	4,0	59	45,6	
<i>Betula ermanii</i> var. <i>apoensis</i>	5	17	19	17	18,0	17,0	18,0	3,3	2	40,0	
<i>Betula glandulosa</i>	4	19	19	19	19,0	19,0	19,3	3,3	3	39,5	
<i>Betula globispica</i>	4	18	19	18	18,7	18,0	18,7	4,0	6	42,0	
<i>Betula grossa</i>	9	17	19	17	18,0	17,0	18,3	3,8	3	40,5	2,0
<i>Betula humilis</i>	1	22	22	22	22,0	22,0	22,0	3,0	6	37,1	
<i>Betula kenaica</i>	6	19	20	20	19,5	19,3	20,0	2,0	4	40,0	
<i>Betula kirghisorum</i>	1	19	19	19	19,0	19,0	19,0	3,0	6	40,8	
<i>Betula lanata</i>	5	19	20	19	19,5	19,0	19,5	3,0	2	40,0	
<i>Betula lenta</i>	1	19	19	19	19,0	19,0	19,0	3,0	6	41,8	
<i>Betula litwinowii</i>	3	18	19	18	18,7	18,0	18,7	4,0	2	41,0	
<i>Betula mandshurica</i> var. <i>japonica</i>	3	18	19	18	18,5	18,0	18,5	3,8	2	40,5	
<i>Betula maximowicziana</i>	1	18	18	18	18,0	18,0	18,0	3,0	1	39,0	
<i>Betula minor</i>	2	17	19	17	18,0	17,0	18,0	3,5	2	41,5	
<i>Betula neolaskana</i>	6	19	20	19	19,3	19,0	19,3	3,2	5	40,7	
<i>Betula nigra</i>	4	18	19	18	18,5	18,0	18,5	3,5	7	40,5	
<i>Betula occidentalis</i>	35	17	18	19	17,7	18,8	19,0	3,6	3	38,7	1,5
<i>Betula ovalifolia</i>	10	17	19	19	18,0	17,3	18,1	4,0	29	40,1	
<i>Betula papyrifera</i>	8	16	19	17	17,3	17,0	17,7	4,0	4	41,3	
<i>Betula papyrifera</i> var. <i>papyrifera</i>	10	17	19	19	18,0	17,0	18,1	4,0	10	39,8	4,0
<i>Betula pendula</i>	8	16	19	17	17,3	17,0	17,7	4,0	15	40,9	
<i>Betula platyphylla</i>	5	17	19	17	18,0	17,0	18,0	3,8	1	41,0	
<i>Betula platyphylla</i> subsp. <i>platyphylla</i>	12	18	19	19	18,7	18,7	18,9	3,8	3	40,5	
<i>Betula platyphylla</i> x <i>maximowiczii</i>	6	17	19	18	18,0	18,0	18,3	3,8	11	36,2	
<i>Betula populifolia</i>	1	19	19	19	19,0	19,0	19,0	4,0	12	41,6	
<i>Betula pubescens</i>	6	19	19	19	19,0	19,0	19,0	3,1	2	43,0	
<i>Betula pubescens</i> cv. 'Urticifolia'	1	19	19	19	19,0	19,0	19,0	4,0	12	40,9	
<i>Betula pubescens</i> subsp. <i>czerepanovii</i>	1	19	19	19	19,0	19,0	19,0	4,0			
<i>Betula pubescens</i> x <i>pendula</i>	2	19	19	19	19,0	19,0	19,0	3,0	1	40,0	
<i>Betula raddeana</i>	2	19	19	19	19,0	19,0	19,0	3,5	1	40,0	
<i>Betula szechuanica</i>	11	18	19	18	18,5	18,0	18,5	3,0	17	41,2	3,5
<i>Betula utilis</i>	5	18	19	18	18,7	18,0	18,7	3,8	7	20,0	
<i>Betula utilis</i> var. <i>utilis</i>	2	30	30	30	30,0	30,0	30,0	4,0	1	32,0	
<i>Buddleja fallowiana</i>	2	25	25	25	25,0	25,0	25,0	3,0	1	36,0	
<i>Buddleja globosa</i>	1	35	35	35	35,0	35,0	35,0	4,0	1	38,0	
<i>Bupleurum fruticosum</i>	1	17	17	17	17,0	17,0	17,0	3,0			
<i>Buxus hyrcana</i>	5	17	18	17	17,7	17,0	17,8	3,8	7	40,3	2,5
<i>Buxus microphylla</i>	7	16	18	16	16,7	16,0	16,7	3,4	6	42,0	3,7
<i>Buxus microphylla</i> japonica	1	21	21	21	21,0	21,0	21,0	3,0			
<i>Buxus microphylla</i> var. <i>japonica</i>	2	16	16	16	16,0	16,0	16,0	4,0	1	39,0	
<i>Buxus microphylla</i> var. <i>koreana</i>	22	16	17	16	16,3	16,0	16,8	3,4	2	43,0	
<i>Buxus microphylla</i> var. <i>sinica</i>									5	39,3	
<i>Buxus sempervirens</i>											

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<i>Buxus sempervirens</i> cv. 'Albo-variegata'	2	18	18,0	18	18,0	18,0	18,0	3,5	1		
<i>Buxus sempervirens</i> cv. 'Arborescens'	8	17	18	17	18,0	17,0	18,3	3,9	4	43,0	
<i>Buxus sempervirens</i> cv. 'Aureo-variegata'	9	16	18	16	17,3	16,0	18,8	3,9	3	43,0	
<i>Buxus sempervirens</i> cv. 'Macrophylla'	12	16	18	16	17,0	16,0	18,0	3,6			
<i>Callicarpa dichotoma</i>	9	30	31	31	32,0	30,8	32,2	3,9	10	40,8	3,5
<i>Callicarpa japonica</i>	19	30	33	31	32,5	30,6	33,5	3,6	32	41,4	3,8
<i>Callicarpa japonica</i> var. <i>luxurians</i>	6	31	34	31	32,3	31,0	34,0	3,0	7	40,2	2,5
<i>Callicarpa mollis</i>	2	28	28,0	29	29,0	28,5	28,5	2,0	8	39,0	3,7
<i>Callitropsis nootkatensis</i>	12	14	17	18	18,0	15,6	17,7	4,0	6		
<i>Calocedrus decurrens</i>	4	17	17,0	22	22,0	18,8	18,8	2,8	2	41,0	
<i>Calycanthus floridus</i>	6	22	24,7	22	25,0	22,0	26,3	3,1	4	41,0	1,0
<i>Campsis radicans</i>	4	30	38	30	35,0	30,0	38,0	3,0			
<i>Caragana arborescens</i>	43	19	21	20	22,3	19,9	21,6	3,2	52	34,8	2,8
<i>Caragana arborescens</i> cv. 'Lorbergii'	3	20	23	20	21,7	20,0	23,0	3,0	2	38,5	
<i>Caragana boissii</i>	1	20	20,0	20	20,0	20,0	20,0	3,0	1	37,0	
<i>Caragana chamilagu</i>	3	20	20,7	20	20,7	20,0	22,0	4,0	1	40,0	
<i>Caragana decorticans</i>	3	20	23	20	21,3	20,0	23,0	3,0	4	35,8	3,5
<i>Caragana frutex</i>	9	20	22	21	22,0	20,3	22,0	3,3	11	32,8	2,0
<i>Caragana fruticosa</i>	5	20	23	20	21,7	20,0	23,0	3,2	5	35,1	3,5
<i>Caragana fruticosa</i> x <i>arborescens</i>	6	20	20,0	20	20,3	20,0	20,5	3,3	9	34,8	2,5
<i>Caragana negundo</i>	1	23	23,0	23	23,0	23,0	23,0	2,0	2	35,1	3,5
<i>Caragana pygmaea</i>	5	23	23,0	23	23,0	23,0	23,0	3,0	14	45,0	2,0
<i>Caragana tragacanthoides</i>	3	20	22	20	21,0	20,0	22,0	4,0	3	38,9	3,1
<i>Caragana turkestanica</i>	15	16	18	19	19,0	17,7	18,7	3,8	10	31,3	4,0
<i>Carpinus betulus</i>	3	19	19,0	19	19,0	19,0	19,0	3,3	6	41,8	4,0
<i>Carpinus caroliniana</i> subsp. <i>virginiana</i>	6	18	19	18	18,5	18,0	19,0	4,0	5	40,0	
<i>Carpinus caucasicus</i>	10	18	19	18	18,3	18,0	19,0	4,0	7	42,3	4,0
<i>Carpinus cordata</i>	3	18	19	18	18,7	18,0	19,0	3,7	3	41,0	3,5
<i>Carpinus coreana</i>	15	19	19,0	19	19,0	19,0	19,0	3,7	8	40,7	4,0
<i>Carpinus japonica</i>	2	19	19,0	19	19,0	19,0	19,0	3,5		43,0	3,5
<i>Carpinus laxiflora</i>											
<i>Carpinus turczaninowii</i>											
<i>Carpinus viminea</i>	1	19	19,0	19	19,0	19,0	19,0	3,0	1	39,0	
<i>Carya cordiformis</i>	1	21	21,0	21	21,0	21,0	21,0	2,0	5	42,3	
<i>Carya glabra</i>	1	21	21,0	21	21,0	21,0	21,0	2,0	3	40,5	
<i>Carya laciniosa</i>										41,7	
<i>Carya ovata</i>									4	38,8	
<i>Caryopteris incana</i>	8	39	42	39	40,5	39,0	42,0	4,0	4		
<i>Caryopteris incana</i>	1	42	42	42	42,0	42,0	42,0	4,0			
<i>Caryopteris incana</i>	1	28	28	28	28,0	28,0	28,0	4,0	1	40,0	2,0
<i>Castanea crenata</i>	2	29	32	29	30,5	29,0	32,0	4,0	2	42,0	
<i>Castanea mollissima</i>	3	28	30	28	30,5	28,0	30,0	4,0	2	40,5	
<i>Castanea pumila</i>	5	28	30	28	29,0	28,0	29,0	4,0	3	43,3	
<i>Castanea sativa</i>	3	29	33	29	30,3	28,0	31,0	4,0	2		
<i>Catalpa bignonioides</i>	15	29	33	33	34,3	29,5	34,7	2,8	11	41,7	
<i>Catalpa ovata</i>	3	28	32	28	29,3	28,0	32,0	4,0	1		
<i>Catalpa speciosa</i>	2	30	30,0	34	34,0	32,0	32,0	4,0	2	43,0	
<i>Cedrela sinensis</i>	3	41	44	43	43,5	42,0	44,0	3,3	1		
<i>Cedrus atlantica</i>											

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<i>Cedrus atlantica</i> cv. 'Glauca'	1	44	44	44	44,0	44,0	44,0	4,0	1	40,0	
<i>Cedrus deodara</i>											
<i>Cedrus libani</i>	7	42	43	46	44,0	42,0	43,1	2,8	9	44,9	2,0
<i>Celastrus</i>											
<i>Celastrus angulata</i>	2	24	25	25	24,5	24,0	24,5	4,0	2	38,0	2,0
<i>Celastrus orbiculatus</i>											
<i>Celastrus stephanotifolius</i>											
<i>Celastrus strigosus</i>	1	24	24	24	24,0	24,0	24,0	4,0	2	42,7	4,0
<i>Celtis jessoensis</i>											
<i>Celtis occidentalis</i>	5	19	20	22	20,5	19,0	19,8	3,4	3	38,5	
<i>Celtis reticulata</i>											
<i>Cephalotaxus fortunei</i>	10	17	19	23	19,7	17,0	18,9	3,7	2	42,0	2,0
<i>Cephalotaxus harringtonii</i>	1	20	20	20	20,0	20,0	20,0	4,0		44,0	
<i>Cephalotaxus harringtonii</i> var. <i>harringtonii</i>	9	19	23	23	23,0	21,4	22,2	2,5	2	42,5	
<i>Cephalotaxus harringtonii</i> var. <i>nana</i>	2	19	19	19	19,0	19,0	19,0	4,0			
<i>Cephalotaxus koreana</i>	4	19	22	22	21,0	19,5	20,8	2,7	1	41,0	
<i>Cercidiphyllum japonicum</i>	14	17	17	18	17,5	17,0	17,1	4,0	4	44,0	
<i>Cercidiphyllum japonicum</i> var. <i>magnificum</i>	13	17	17	18	18,0	17,2	17,6	3,9	5	41,0	4,0
<i>Cercis chinensis</i>	2	22	22	24	24,0	23,0	23,0	3,0	1	40,0	
<i>Chaenomeles cathayensis</i>	5	19	20	19	19,5	19,0	19,5	1,8	1	40,3	1,0
<i>Chaenomeles japonica</i>	4	20	21	20	20,3	20,0	20,3	3,7	4	40,3	
<i>Chaenomeles lagenaria</i>	7	20	21	22	20,7	20,0	20,6	3,1	1	40,0	
<i>Chaenomeles X superba</i>	5	20	20	20	20,0	20,0	20,3	2,0	3	39,0	
<i>Chamaecyparis lawsoniana</i>	33	14	18	17	17,3	15,9	16,7	4,0	28	41,7	
<i>Chamaecyparis lawsoniana</i> cv. 'Allumii'											
<i>Chamaecyparis lawsoniana</i> cv. 'Allumii'	3	16	18	16	16,7	16,0	16,7	4,0	1	43,0	
<i>Chamaecyparis lawsoniana</i> cv. 'Glauca'	1	18	18	18	18,0	18,0	18,0	4,0	2		
<i>Chamaecyparis lawsoniana</i> cv. 'Intertexta'	1	18	18	18	18,0	18,0	18,0	4,0	1		
<i>Chamaecyparis lawsoniana</i> cv. 'Smithii'	1	18	18	18	18,0	18,0	18,0	4,0	1		
<i>Chamaecyparis lawsoniana</i> cv. 'Sulphurea'	3	16	18	16	16,7	16,0	16,7	3,7	1	43,0	
<i>Chamaecyparis lawsoniana</i> cv. 'Wisselii'	12	17	19	17	18,0	17,0	18,0	4,0	6	42,0	
<i>Chamaecyparis obtusa</i>	2	17	17	17	17,0	17,0	17,0	4,0	3	43,0	
<i>Chamaecyparis pisifera</i>	1	14	14	14	14,0	14,0	14,0	4,0		41,5	
<i>Chamaecyparis pisifera</i> cv. 'Plumosa'											
<i>Chamaecyparis pisifera</i> form <i>filifera</i>	1	17	17	17	17,0	17,0	17,0	4,0	4	40,0	
<i>Chamaecyparis thyoides</i>	6	16	19	16	17,5	16,0	17,5	3,8			
<i>Chamaecyparis thyoides</i> cv. 'Atrovirens'	5	15	18	15	16,7	15,0	16,7	4,0	1	43,0	
<i>Chilodactylon difusum</i>	4	24	37	24	29,0	24,0	29,0	2,8	1	34,0	3,0
<i>Chionanthus virginicus</i>	6	24	25	26	26,0	25,0	25,3	3,7	3	42,3	3,0
<i>Cistus laurifolius</i>	10	27	28	28	28,0	27,3	27,8	1,9	5	38,5	
<i>Cistus laurifolius</i>	6	26	27	26	26,5	26,0	26,5	3,9	5	40,5	
<i>Cladastis lutea</i>	2	26	28	26	27,0	26,0	27,0	1,5	2	40,5	
<i>Clematis</i>	2	27	28	27	27,5	27,0	27,5	2,0	2	41,0	4,0
<i>Clematis chisanensis</i>											
<i>Clematis gratopsis</i>	2	27	29	27	28,0	27,0	28,0	1,5	2	40,0	
<i>Clematis koreana</i>											
<i>Clematis pterae</i>	13	34	38	38	35,7	36,5	37,2	3,0	2	41,5	
<i>Clematis stans</i>	1	27	27	27	27,0	27,0	27,0	1,0	4	49,0	
<i>Clematis trichotoma</i>											
<i>Clerodendrum trichotomum</i>	6	34	35	34	34,3	34,0	34,3	3,3	2	43,0	

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<i>Clethra</i>	1	39	39,0	39	39,0	39,0	39,0	3,0			
<i>Clethra alnifolia form rosea</i>	3	28	33,0	38	33,0	38,0	33,0	3,5	2	43,0	
<i>Clethra barbinervis</i>	18	34	34,7	36	35,0	34,0	34,7	3,6	13	43,0	
<i>Colutea arborescens</i>	4	24	24,5	25	24,5	24,0	24,5	3,0	6	37,8	3,0
<i>Colutea cilicica</i>	1	38	38,0	38	38,0	38,0	38,0	4,0			
<i>Cornus</i>	3	15	16,0	17	16,0	15,0	16,0	2,7	1	43,0	
<i>Cornus alba</i>	2	23	23,0	23	23,0	23,0	23,0	3,5	1		
<i>Cornus alba cv. 'Sibirica'</i>	3	15	19,0	22	19,0	15,0	19,0	3,0	1	43,0	
<i>Cornus alternifolia</i>	27	23	23,7	25	25,0	23,9	24,3	3,7	20	34,6	3,6
<i>Cornus amomum</i>	23	22	25,3	33	30,7	28,2	28,9	3,2	22	40,1	3,0
<i>Cornus australis</i>									4	40,8	
<i>Cornus bretschneideri</i>	1	27	27,0	27	27,0	27,0	27,0	3,0	2	36,5	
<i>Cornus controversa</i>	51	23	23,3	24	24,3	23,3	24,2	3,9	41	36,8	3,9
<i>Cornus florida</i>	5	20	21,0	21	21,5	20,5	21,3	2,9	1		
<i>Cornus foemina</i>	1	29	29,0	29	29,0	29,0	29,0	3,0	1		
<i>Cornus glabrata</i>									1	42,0	
<i>Cornus kousa</i>	57	24	25,7	30	28,0	26,0	26,7	3,4	40	39,2	3,5
<i>Cornus kousa cv. 'Satomi'</i>	3	26	26,7	26	26,7	26,0	26,7	3,3	2	36,5	
<i>Cornus kousa var. chinensis</i>	9	25	26,0	26	26,7	25,5	26,4	2,6	6	38,1	
<i>Cornus macrophylla</i>	9	23	24,7	30	31,0	26,3	27,3	3,7	4	40,0	
<i>Cornus mas</i>	27	14	15,0	16	16,3	14,9	15,8	3,6	28	37,8	3,8
<i>Cornus nuttallii</i>	3	20	20,5	21	22,0	21,0	21,3	3,8			
<i>Cornus obliqua</i>	1	27	27,0	27	27,0	27,0	27,0	3,0			
<i>Cornus officinalis</i>	8	15	15,7	16	16,7	15,5	16,3	3,8	7	40,1	4,0
<i>Cornus purpusi</i>	2	20	24,5	20	24,5	20,0	24,5	2,5			
<i>Cornus racemosa</i>	1	30	30,0	30	30,0	30,0	30,0	4,0	3	39,5	
<i>Cornus racemosa var. gracilis</i>	1	28	28,0	28	28,0	28,0	28,0	4,0			
<i>Cornus rugosa</i>	8	25	25,3	25	25,7	25,0	25,6	3,9	6	36,0	4,0
<i>Cornus sanguinea</i>	4	22	24,7	22	24,7	22,0	24,7	3,5	7	38,8	
<i>Cornus sanguinea subsp. australis</i>	1	30	30,0	30	30,0	30,0	30,0	4,0	3	38,5	
<i>Cornus stolonifera</i>	6	22	22,3	22	23,7	22,0	22,9	3,1	4	37,3	2,3
<i>Cornus stolonifera var. occidentalis</i>	11	22	23,0	24	24,0	23,0	23,5	3,1	6	37,2	2,5
<i>Cornus walteri</i>	7	27	27,5	27	27,5	27,0	27,5	3,8	4	43,0	
<i>Corylopsis coreana</i>	4	15	16,0	15	16,7	15,0	16,3	3,2			
<i>Corylopsis glabrescens</i>	14	15	16,3	17	17,3	15,8	16,8	3,6	8		
<i>Corylopsis pauciflora</i>	22	15	16,0	16	17,0	15,1	16,5	3,5	12	41,3	
<i>Corylopsis platypetala</i>	4	16	16,7	16	16,7	16,0	16,7	3,7	2		
<i>Corylopsis sinensis</i>	2	18	18,0	18	18,0	18,0	18,0	3,5			
<i>Corylopsis sinensis form veitchiana</i>	13	15	16,3	17	18,7	16,8	17,6	3,3	7	42,0	
<i>Corylopsis spicata</i>	2	16	17,0	16	18,0	16,0	17,0	3,5	2	42,0	
<i>Corylus americana</i>	2	14	14,5	14	14,5	14,0	14,5	2,0	2	40,0	
<i>Corylus avellana</i>	20	12	13,0	13	14,0	12,7	13,5	2,9	7	39,5	
<i>Corylus avellana cv. 'Contorta'</i>	3	14	14,3	14	14,3	14,0	14,3	3,7			
<i>Corylus avellana cv. 'Fuscorubra'</i>	2	14	14,5	14	14,5	14,0	14,5	3,0			
<i>Corylus avellana cv. 'Heterophylla'</i>	5	13	13,3	13	14,0	13,0	13,7	3,5			
<i>Corylus chinensis</i>	3	13	13,7	13	13,7	13,0	13,7	3,3	2	40,5	
<i>Corylus colurna</i>	8	12	12,7	12	13,7	12,0	13,1	3,8	4	40,0	
<i>Corylus colurnoides</i>	4	11	12,3	11	12,7	11,0	12,5	4,0			

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<i>Corylus cornuta</i>	14	13	16	14	16,3	13,8	17,0	3,2	2	33,7	1,0
<i>Corylus cornuta</i> var. <i>californica</i>	14	13	14	13	14,3	13,0	15,2	3,1	4	41,0	
<i>Corylus sieboldiana</i>	11	12	15	14	14,7	13,3	15,8	3,8	1		
<i>Corylus sieboldiana</i> var. <i>mandshurica</i>	3	12	16	12	14,3	12,0	16,0	3,3			
<i>Cotinus coggygia</i>	10	25	25	25	25,0	25,0	25,0	4,0	5	30,5	2,0
<i>Cotinus obovatus</i>											
<i>Cotoneaster</i>	7	22	24	23	23,3	22,3	24,0	3,1	27	30,0	3,5
<i>Cotoneaster acuminata</i>											
<i>Cotoneaster adpressa</i>	2	21	21	21	21,0	21,0	21,0	2,5	3	41,5	3,0
<i>Cotoneaster affinis</i>											
<i>Cotoneaster bullata</i>	1	23	23	23	23,0	23,0	23,0	3,0	4	39,0	1,5
<i>Cotoneaster dielsiana</i>											
<i>Cotoneaster foveolata</i>	4	23	23	23	23,0	23,0	23,0	3,3	13	41,0	3,5
<i>Cotoneaster gamblei</i>											
<i>Cotoneaster horizontalis</i>											
<i>Cotoneaster hupehensis</i>											
<i>Cotoneaster ignava</i>	1	23	23	23	23,0	23,0	23,0	3,0	4	36,8	3,5
<i>Cotoneaster integririmus</i>	13	19	22	19	20,3	19,0	22,0	2,3	7	38,7	3,8
<i>Cotoneaster konishii</i>	8	24	24	24	24,0	24,0	24,0	3,5	19	39,1	2,4
<i>Cotoneaster kullensis</i>	8	20	20	21	23,0	20,8	21,7	2,1	1	40,3	2,0
<i>Cotoneaster kullensis</i>	2	22	22	23	22,0	22,5	22,5	3,5	7	39,0	3,5
<i>Cotoneaster lucida</i>											
<i>Cotoneaster lucida</i> hybrid	1	21	21	21	21,0	21,0	21,0	3,0	3	35,7	3,0
<i>Cotoneaster melanocarpus</i>	3	20	21	20	20,5	20,0	21,0	2,8	6	31,2	1,7
<i>Cotoneaster microphylla cochleata</i>	1	24	24	24	24,0	24,0	24,0	3,0	3	36,3	2,0
<i>Cotoneaster multiflora</i>	5	19	23	22	22,3	20,5	23,0	3,3	7	36,2	3,0
<i>Cotoneaster nebrodensis</i>	3	21	21	24	24,0	22,3	22,3	2,3	5	39,2	1,7
<i>Cotoneaster nummularia</i>											
<i>Cotoneaster nummularioides</i>											
<i>Cotoneaster pruinosus</i>	4	24	24	24	24,0	24,0	24,0	2,8	2	37,0	
<i>Cotoneaster rotundifolia</i>											
<i>Cotoneaster salicifolia</i>	2	28	28	0	14,0	0,0	28,0	2,0	3	43,0	3,0
<i>Cotoneaster splendens</i>	4	20	25	20	22,5	20,0	25,0	3,5	3	40,7	
<i>Cotoneaster uniflorus</i>	3	20	21	20	20,5	20,0	21,0	2,0	10	41,3	2,0
<i>Crataegus</i>	7	19	21	24	24,5	21,0	21,8	3,1	3	38,6	4,0
<i>Crataegus altaica</i>	1	22	22	22	22,0	22,0	22,0	2,0	9	33,3	1,7
<i>Crataegus chrysoarpa</i>	5	21	21	21	21,0	21,0	21,0	2,8	3	40,1	2,5
<i>Crataegus chrysoarpa</i> var. <i>piperii</i>	3	21	22	21	21,5	21,0	22,5	2,5			
<i>Crataegus dahurica</i>	1	22	22	22	22,0	22,0	22,0	3,0	1	36,0	
<i>Crataegus douglasii</i>	3	21	22	22	22,0	21,5	22,0	4,0	7	35,1	1,3
<i>Crataegus intricata</i>											
<i>Crataegus laevigata</i>	7	21	22	21	22,0	21,0	22,6	3,7	2	40,5	2,0
<i>Crataegus macrocarpa</i>	5	23	23	23	23,0	23,0	23,0	3,4	11	40,2	3,0
<i>Crataegus macrosperma</i>	1	21	21	21	21,0	21,0	21,0	4,0	7	38,8	2,5
<i>Crataegus meyeri</i>	1	23	23	23	23,0	23,0	23,0	3,0	5	36,3	3,0
<i>Crataegus monogyna</i>	6	22	23	22	22,3	22,0	23,5	3,8	8	39,0	2,0
<i>Crataegus monogyna</i> hybrid	1	23	23	23	23,0	23,0	23,0	4,0			
<i>Crataegus nigra</i>	9	20	22	20	21,0	20,0	22,0	3,4	10	35,5	1,7
<i>Crataegus nitida</i>	1	24	24	24	24,0	24,0	24,0	3,0	3	41,7	3,0

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<i>Crataegus orientalis</i>	7	25	25	25	25,7	25,0	25,5	25,3	7	39,5	3,2
<i>Crataegus orientalis hybrid</i>	3	24	24	24	24,0	24,0	24,0	24,0	3	40,7	3,5
<i>Crataegus pentagyna</i>	3	23	24	23	23,7	23	24,0	23,7	3	39,7	2,0
<i>Crataegus pentagyna subsp. pentagyna</i>	6	22	24	22	23,0	22,0	24,7	23,6	6	39,1	2,0
<i>Crataegus pinnatifida var. major</i>	2	23	24	23	23,5	23	24,0	23,5	2	37,5	3,0
<i>Crataegus rhipidophylla</i>	15	22	23	22	22,3	22	22,7	22,6	13	39,5	3,4
<i>Crataegus rivularis</i>	2	21	21	21	21,0	21,0	21,0	21,0	2	36,0	2,5
<i>Crataegus songarica</i>	2	22	23	22	22,5	22,0	23,0	22,5	4	40,7	3,0
<i>Crataegus X hafniensis</i>	2	21	22	21	21,5	21,0	22,0	21,5	2	38,5	4,0
<i>Crataegus X lavallei</i>	1	25	25	25	25,0	25,0	25,0	25,0	1	43,0	3,0
<i>Crataegus X rubrinervis</i>	1	24	24	24	24,0	24,0	24,0	24,0	2	43,0	4,0
<i>Crataemespilus grandiflora</i>	2	23	23	23	23,0	23,0	23,0	23,0	3	42,0	4,0
<i>Cryptomeria japonica</i>	40	13	14	14	13,7	13,7	14,8	14,2	24	23,3	4,0
<i>Cryptomeria japonica cv. 'Elegans'</i>	1	15	15	15	15,0	15,0	15,0	15,0			
<i>Cryptomeria japonica cv. 'Glauca'</i>	2	14	15	14	14,5	14,0	15,0	14,5	1		
<i>Cryptomeria japonica cv. 'Lobbii'</i>	1	15	15	15	15,0	15,0	15,0	15,0			
<i>Cryptomeria japonica var. sinensis</i>	9	13	15	13	14,3	13,0	15,4	14,1	5	51,0	3,8
<i>Cunninghamia lanceolata</i>									3	43,0	
<i>Cupressocyparis leylandii</i>	2	20	37	20	28,5	20,0	37,0	28,5			
<i>Cupressus bakeri</i>	1	20	20	20	20,0	20,0	20,0	20,0	2		
<i>Cydonia oblonga</i>	2	23	23	23	23,0	23,0	23,0	23,0	1	42,0	3,0
<i>Cydonia oblonga lusitanica</i>									2	40,5	2,0
<i>Cytisus cantabricus</i>	1	20	20	20	20,0	20,0	20,0	20,0	2	37,3	1,0
<i>Cytisus ruthenicus</i>	14	20	22	23	23,7	22,3	23,5	22,9	1	41,0	2,0
<i>Cytisus sessilifolius</i>	3	25	28	25	26,3	25,0	28,0	26,3	11	35,3	2,3
<i>Cytisus supinus</i>	16	12	15	13	13,3	12,3	15,7	14,1	5	38,3	
<i>Daphne mezereum</i>	8	21	22	22	21,7	21,7	22,8	22,1	7	28,0	2,0
<i>Davidia involucreata var. vilmoriniana</i>	2	23	23	24	24,0	23,5	23,5	23,5	3	42,5	2,0
<i>Decaisnea fargesii</i>	8	23	26	23	24,3	23,0	26,0	24,3	6	43,5	2,0
<i>Decaisnea insignis hybrid</i>	3	23	24	23	23,3	23,0	24,0	23,3	2	43,0	
<i>Deutzia albida</i>	4	23	23	23	23,0	23,0	23,0	23,0			
<i>Deutzia compacta</i>	11	24	24	24	24,0	24,0	24,0	24,0	7	44,0	
<i>Deutzia glomeruliflora</i>	6	23	24	23	23,3	23,0	24,0	23,0	4	44,0	
<i>Deutzia gracilis</i>	5	24	26	26	26,0	25,5	27,0	26,2	4	43,0	
<i>Deutzia longifolia</i>	1	24	24	24	24,0	24,0	24,0	24,0	2	44,0	
<i>Deutzia longifolia cv. 'Veitchii'</i>	3	25	26	25	25,3	25,0	26,0	25,3	2	44,0	
<i>Deutzia longifolia x discolor cv. 'Mont Rosa'</i>	2	24	25	24	24,5	24,0	25,0	24,5	2	40,0	4,0
<i>Deutzia monbeigii</i>	7	24	26	25	25,3	24,5	26,0	25,2	4	45,0	
<i>Deutzia parviflora</i>	3	26	28	26	26,7	26,0	28,0	26,7	2	45,0	
<i>Deutzia pulchra</i>	3	22	24	22	23,0	22,0	24,0	23,0	2	44,0	
<i>Deutzia purpurascens</i>	3	25	26	25	25,7	25,0	26,0	25,7	2	42,0	
<i>Deutzia reflexa</i>	6	26	26	26	26,0	26,0	26,5	26,3	4	43,5	
<i>Deutzia scabra</i>	10	26	29	27	27,0	26,5	29,7	27,7	4	45,0	
<i>Deutzia schneideriana</i>	2	27	28	27,5	27,5	27,0	28,0	27,5	2	43,0	
<i>Deutzia staminea</i>	2	22	24	22	23,0	22,0	24,0	23,0	2	44,0	
<i>Deutzia X rosea</i>	3	22	24	22	23,0	22,0	24,0	23,0	1		
<i>Deutzia X rosea cv. 'Floribunda'</i>	1	28	28	28	28,0	28,0	28,0	28,0			
<i>Diervilla sessilifolia</i>											

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Prunus maximowiczii</i>	3	20	22	21,0	20	22	21,0	22,0	12	31,2	2,5
<i>Prunus maackii</i>	21	19	20	19,7	20	22	21,0	20,3			
<i>Prunus nipponica</i>	6	16	18	16,7	16	19	17,3	16,9			
<i>Prunus nipponica</i> var. <i>kurilensis</i>	3	17	19	17,7	17	19	17,7	17,7			
<i>Prunus padus</i>	57	19	19	19,0	19	21	20,3	19,6	18	34,4	2,2
<i>Prunus padus</i> subsp. <i>padus</i>	9	19	20	19,3	19	20	19,3	20,0	5	29,5	1,7
<i>Prunus padus</i> var. <i>glauca</i>	12	18	19	18,7	19	20	19,3	18,7	11	30,5	2,8
<i>Prunus pennsylvanica</i>	14	19	19	19,0	19	29	22,7	19,0	2	31,5	3,0
<i>Prunus pilosiuscula</i>	2	18	19	18,5	18	19	18,5	18,0			
<i>Prunus quelpaertensis</i>	2	16	19	17,5	16	19	17,5	16,0			
<i>Prunus sargentii</i>	5	16	19	17,3	16	19	17,3	16,0			
<i>Prunus scopulorum</i>	2	16	19	17,5	16	19	17,5	16,0			
<i>Prunus serotina</i>	20	22	24	22,7	22	24	23,3	22,0	1	34,0	2,0
<i>Prunus serrula</i> var. <i>thibetica</i>	3	19	20	19,3	19	20	19,3	20,0	12	39,6	
<i>Prunus serrulata</i> cv. 'Choshihizakura'	2	19	19	19,0	19	19	19,0	19,0	2	33,0	1,0
<i>Prunus serrulata</i> cv. 'Fudan-Zakura'	2	17	19	18,0	17	19	18,0	17,0	1	34,0	0,0
<i>Prunus serrulata</i> cv. 'Hokusai'	1	19	19	19,0	19	19	19,0	19,0			
<i>Prunus serrulata</i> cv. 'Hosokawa-Odora'	3	19	21	20,0	19	21	20,0	21,0	1	34,0	1,0
<i>Prunus serrulata</i> cv. 'Ouchii-Zakura'	8	19	19	19,0	19	19	19,0	19,0			
<i>Prunus serrulata</i> cv. 'Sakon'	1	19	19	19,0	19	19	19,0	19,0	1	34,0	0,0
<i>Prunus serrulata</i> cv. 'Shujaku'	4	20	21	20,5	20	21	20,5	21,0			
<i>Prunus serrulata</i> var. <i>spontanea</i>	2	19	19	19,0	19	19	19,0	19,0			
<i>Prunus spinosa</i>	6	19	21	20,0	19	21	20,0	21,0	1		
<i>Prunus ssiiori</i>	5	19	22	21,0	19	22	21,0	22,0	1	35,0	4,0
<i>Prunus subcordata</i>	3	18	19	18,3	18	19	18,3	18,0	1	34,0	
<i>Prunus subhirtella</i> cv. 'Pendula'	3	16	19	18,0	16	19	18,0	16,0			
<i>Prunus subhirtella</i> x <i>yedoensis</i>	3	17	19	18,0	17	19	18,0	17,0			
<i>Prunus susquehannae</i>	2	19	21	20,0	19	21	20,0	21,0	1	34,0	3,0
<i>Prunus tomentosa</i>	2	17	19	18,0	17	19	18,0	17,0			
<i>Prunus triloba</i>	1	19	19	19,0	19	19	19,0	19,0			
<i>Prunus virginiana</i>	11	21	22	21,7	22	22	22,0	21,8	7	34,4	2,0
<i>Prunus virginiana</i> subsp. <i>melanocarpa</i>	1	19	19	19,0	19	19	19,0	19,0			
<i>Prunus X sieboldii</i>	10	19	20	19,3	19	20	19,3	20,0	1	34,0	0,0
<i>Prunus X yedoensis</i>	7	18	19	18,7	19	19	19,0	18,3			
<i>Prunus X yedoensis</i> cv. 'Yoshino-Zakura'	1	19	19	19,0	19	19	19,0	19,0			
<i>Pseudotsuga menziesii</i>	11	19	21	19,7	20	21	20,7	21,0	9	41,5	4,0
<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	5	19	20	19,5	20	20	20,0	19,6	5	42,4	
<i>Ptelea nitens</i>	1	26	26	26,0	26	26	26,0	26,0	1		
<i>Ptelea trifoliata</i>	2	26	26	26,0	26	26	26,0	26,0	2	41,0	
<i>Ptelea trifoliata</i> var. <i>malis</i>	6	22	25	24,0	22	25	24,0	25,0			
<i>Pterocarya fraxinifolia</i>	6	19	20	19,3	19	26	21,7	23,0	4	42,0	
<i>Pterocarya macroptera</i>	4	19	19	19,0	26	26	26,0	20,5	5	40,3	4,0
<i>Pterocarya rhoifolia</i>	5	19	20	19,3	19	23	20,7	19,0	7	40,9	4,0
<i>Pterocarya stenoptera</i>									3	42,3	
<i>Pterostyrax corymbosa</i>	7	23	24	23,5	24	25	24,5	23,5	6	44,5	
<i>Pterostyrax hispida</i>	6	25	26	25,3	25	26	25,7	25,0	4	42,0	
<i>Pyraecantha angustifolia</i>									4	38,5	4,0
<i>Pyraecantha coccinea</i>	2	24	25	24,5	24	25	24,5	25,0	2	42,0	2,0

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<i>Fagus sylvatica</i>	2	20	20,0	21	21,0	20,5	20,5	4,0	8	40,1	4,0
<i>Fagus sylvatica</i> cv. 'Fastigiata'	1	21	21,0	21	21,0	21,0	21,0	4,0	1	41,0	
<i>Fontanesia fortunei</i>									3	46,0	
<i>Forsythia</i>	2	17	17,0	17	17,0	17,0	17,0	3,0			
<i>Forsythia</i> cv. 'Spring Glory'	5	15	15,5	16	16,5	15,3	15,9	3,8	1		
<i>Forsythia europaea</i>	6	14	15,5	14	15,5	14,0	15,5	3,3	1		
<i>Forsythia mandshurica</i>	1	16	16,0	16	16,0	16,0	16,0	2,0			
<i>Forsythia ovata</i>	24	14	17	16	18,7	15,2	17,1	3,2	7		
<i>Forsythia suspensa</i>	1	16	16,0	16	16,0	16,0	16,0	4,0			
<i>Forsythia suspensa</i> var. <i>sieboldii</i>	3	16	17,0	16	17,0	16,0	17,0	3,0			
<i>Forsythia viridissima</i>	2	16	17	16	16,5	16,0	17,0	3,5			
<i>Forsythia X intermedia</i> cv. 'Lynwood Gold'	3	16	18	16	17,0	16,0	18,0	3,7	1		
<i>Forsythia X intermedia</i> cv. 'Vitelina'	5	16	17	16	16,5	16,0	17,0	3,3			
<i>Pothergilla major</i>	4	20	20,7	20	21,0	20,0	20,8	3,5	1		
<i>Fraxinus americana</i>									1	40,0	3,8
<i>Fraxinus angustifolia</i>	4	18	18,0	19	19,0	18,5	18,5	3,5	9	42,8	4,0
<i>Fraxinus biltmoreana</i>									1	43,0	4,0
<i>Fraxinus caroliniana</i>									4	40,5	4,0
<i>Fraxinus chinensis</i>	2	23	23,0	23	23,0	23,0	23,0	4,0	2	39,5	
<i>Fraxinus excelsior</i>	1	19	19,0	19	19,0	19,0	19,0	3,0	2		
<i>Fraxinus lanuginosa</i>	4	19	19,0	22	22,0	21,3	21,3	3,5	2		
<i>Fraxinus latifolia</i>									1	43,0	
<i>Fraxinus mandshurica</i>	6	21	21,0	21	21,3	21,0	21,3	4,0	2	40,0	
<i>Fraxinus ornus</i>	6	21	21,5	22	22,5	21,8	21,9	3,5	5	42,7	
<i>Fraxinus paxiana</i>	7	22	24	23	26,0	23,0	27,5	3,6	4	41,2	
<i>Fraxinus pennsylvanica</i>	1	19	19,0	19	19,0	19,0	19,0	3,0	4	40,0	
<i>Fraxinus pennsylvanica subintegerrima</i>	1	19	19,0	19	19,0	19,0	19,0	3,0	2	41,5	3,0
<i>Fraxinus pubinervis</i>									2	41,0	
<i>Fraxinus rhynchophylla</i>	1	21	21,0	21	21,0	21,0	21,0	4,0			
<i>Fraxinus sieboldiana</i>	13	21	21,0	21	21,3	21,0	21,3	3,6	7	40,0	
<i>Fuchsia magellanica</i>	3	19	19,0	19	24,5	19,0	24,5	3,3			
<i>Gaultheria mucronata</i>	5	22	24	23	24,7	23,0	25,5	3,3	2	39,0	3,0
<i>Gaultheria procumbens</i>	1	23	23,0	23	23,0	23,0	23,0	3,0			
<i>Gaultheria shallon</i>	14	23	24,3	26	28,0	26,0	27,3	3,3	4	41,0	3,0
<i>Gleditsia japonica</i>									1	48,0	
<i>Gleditsia triacanthos</i>									1		
<i>Gymnocladus dioica</i>											
<i>Halesia carolina</i>	5	20	21	20	20,7	20,0	20,7	4,0	4	44,0	3,0
<i>Halesia monticola</i>	15	20	21	20	20,7	20,0	20,6	3,8	10	41,3	
<i>Hamamelis japonica</i>	21	2	5,3	7	11,3	6,1	7,6	3,6	14	44,0	
<i>Hamamelis japonica</i> var. <i>flavopurpureascens</i>	6	7	10,7	11	13,7	11,0	12,2	4,0	4	43,0	
<i>Hamamelis mollis</i>	35	2	5,3	6	9,0	2,5	6,5	3,8	21	45,9	
<i>Hamamelis vernalis</i>	6	2	5,7	3	7,7	2,5	6,7	4,0	4	50,0	
<i>Hamamelis vernalis</i> cv. 'Camea'	3	11	12,5	11	14,0	11,0	12,5	3,8	1	50,0	
<i>Hamamelis virginiana</i>	30	40	40,7	41	42,7	41,0	41,9	3,5	14	44,4	3,0
<i>Hamamelis x intermedia</i>	94	2	5,3	7	11,7	4,1	7,2	3,7	44	46,9	2,5
<i>Hamamelis X intermedia</i> cv. 'Diane'	2	4	8,5	4	8,5	4,0	8,5	4,0	2		
<i>Hamamelis x intermedia</i> cv. 'Nina'	8	2	7,7	3	9,0	2,7	8,4	3,4	4		

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<i>Hebe odora</i>	3	25	26	25,5	25	26	25,5	2,0			
<i>Hedera helix</i>	4	39	44	41,3	39	44	41,3	4,0	2	41,0	
<i>Heptaptelea davidii</i>									2	42,0	4,0
<i>Heptacodium miconioides</i>	4	38	43	40,3	38	43	40,7	3,2	1	44,0	3,0
<i>Hibiscus syriacus</i>	2	19	19	19,0	19	19	19,0	3,0	12	37,0	1,4
<i>Hippophae rhamnoides</i>	22	27	29	28,0	27	30	28,3	4,0	21	38,0	4,0
<i>Holodiscus discolor</i>	7	25	29	27,3	29	29	28,4	2,7	4		
<i>Hydrangea</i>	6	25	25	25,0	25	25	25,0	3,4	5	42,5	4,0
<i>Hydrangea anomala subsp. petiolaris</i>	1	26	26	26,0	26	26	26,0	4,0			
<i>Hydrangea bretschneiderii</i>	9	24	26	25,0	25	26	25,1	3,4	6	42,0	
<i>Hydrangea dumicala</i>	9	25	27	25,7	25	27	25,7	3,3	5	43,0	
<i>Hydrangea heteromalla</i>	2	35	39	37,0	35	39	37,0	3,0	2	45,0	
<i>Hydrangea paniculata</i>	13	30	33	31,7	30	34	32,0	3,2	8	45,0	
<i>Hydrangea serrata</i> cv. 'Intermedia'	2	29	31	30,0	29	31	30,0	3,5	1		
<i>Hydrangea xanthoneura</i>	6	26	27	26,5	26	27	26,5	4,0	6	43,0	
<i>Hydrangea xanthoneura</i> var. <i>setchuenensis</i>	7	25	26	25,7	25	26	25,7	3,7	5	43,0	
<i>Hypericum</i> aff. <i>kawtychense</i>	6	29	35	32,3	29	35	32,3	2,7	4	31,0	
<i>Hypericum androsaemum</i>	2	29	30	29,5	29	30	29,5	2,5	4	38,8	2,0
<i>Hypericum densiflorum</i>	2	31	35	33,0	31	35	33,0	4,0	3	46,0	3,5
<i>Hypericum patulum</i>	8	29	31	30,0	29	31	30,0	3,1	7	41,0	3,0
<i>Ilexia polycarpa</i>									1	42,0	3,0
<i>Ilexia polycarpa</i> var. <i>vestita</i>	1	26	26	26,0	26	26	26,0	3,0			
<i>Ilex aquifolium</i>	23	21	21	21,0	21	23	21,4	3,8	32	40,7	3,6
<i>Ilex aquifolium</i> form <i>ferox</i>	2	21	22	21,5	21	22	21,5	3,5			
<i>Ilex ciliospinosa</i>	6	19	20	19,5	20	21	20,3	3,5			
<i>Ilex colchica</i> cv. 'Polark'									4	41,5	2,5
<i>Ilex geniculata</i>									6	40,4	3,0
<i>Ilex laevigata</i>	3	29	29	29,0	29	29	29,0	4,0	6	42,2	3,3
<i>Ilex pedunculosa</i>	1	29	29	29,0	29	29	29,0	2,0			
<i>Ilex pernyi</i>	1	21	21	21,0	21	21	21,0	3,0	4	40,7	3,0
<i>Ilex serrata</i>									1	42,0	3,0
<i>Ilex sugeraki</i> var. <i>longepedunculata</i>									1	41,0	1,0
<i>Ilex verticillata</i>	41	28	29	28,3	29	32	29,2	3,5	22	42,4	3,3
<i>Ilex yunnanensis</i>	1	21	21	21,0	21	21	21,0	4,0	2	40,0	1,5
<i>Iris setosa</i>	2	22	24	23,0	22	24	23,0	1,0	2	39,5	
<i>Itea virginica</i>	3	28	32	29,7	28	32	29,7	4,0			
<i>Jamesia americana</i>	4	22	24	23,0	22	24	23,0	3,0	2		
<i>Jasminum fruticans</i>	8	22	23	22,3	22	23	22,3	3,2	5	41,0	
<i>Juglans cathayensis</i>	1	19	19	19,0	19	19	19,0	3,0	3	40,7	4,0
<i>Juglans cinerea</i>	6	21	22	21,3	21	22	21,5	3,2	4	39,3	2,0
<i>Juglans mandshurica</i>	1	19	19	19,0	19	19	19,0	2,0			
<i>Juglans nigra</i>									4	44,0	
<i>Juglans regia</i>	1	19	19	19,0	19	19	19,0	3,0	3	41,0	
<i>Juglans rupestris</i>									5	41,8	
<i>Juglans sieboldiana</i>	3	19	23	21,0	20	23	21,3	2,5	3	38,0	
<i>Juglans sieboldiana</i> var. <i>cordiformis</i>	3	20	22	21,0	21	22	21,3	4,0			
<i>Juglans X bixbyi</i>	4	19	19	19,0	19	19	19,0	3,3	8	40,0	2,3

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
Juniperus chinensis Juniperus chinensis cv. 'Pfizeriana' Juniperus chinensis var. sargentii Juniperus communis Juniperus communis var. communis Juniperus communis var. saxatilis Juniperus recurva Juniperus rigida Juniperus sabina Juniperus squamata Juniperus squamata cv. 'Meyeri' Juniperus virginiana Juniperus virginiana cv. 'Burkii' Juniperus virginiana var. crebra Kalmia latifolia Kalopanax pictus Kerria japonica Koeleruteria paniculata Kolkwitzia amabilis Laburnocytisus adamii Laburnum alpinum Laburnum alpinum cv. 'Lucidum' Laburnum anagyroides Laburnum watereri Larix Larix (decidua x kaempferi) x fri Larix (gmelinii x kaempferi) x gmelinii Larix (gmelinii x kaempferi) x kaempferi Larix cf. decidua Larix decidua Larix gmelinii Larix gmelinii hybrid Larix gmelinii var. olgensis Larix gmelinii var. principis-rupprechtii Larix griffithii Larix kaempferi Larix kaempferi cv. 'Jakobsens Pyramide' Larix laricina Larix laricina x decidua Larix maritima Larix occidentalis Larix potaninii Larix sibirica Larix sibirica var. sukaczewii Larix X marschlinii Lespedeza bicolor Lespedeza maximowiczii Leycesteria formosa	8 3 7 6 9 6 2 1 2 2 3 2 32 3 13 4 20 2 26 2 19 6 9 2 6 2 2 2 6 15 2 14 15 16 15 3 39 21 2 15 19 4 9 8 12 7 17 1 3 2	15 17 16 17 21 14 21 17 16 16 16 16 17 14 25 31 20 31 24 22 22 22 22 22 15 16 14 15 16 14 17 17 15 18 16 16 18 16 17 15 14 16 17 17 15 16 16 15 33 27 30	18 18 19 22 21 17 22 17 20 20 18 16 17 17 19 25 34 21 21 25 23 24 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 16 16 18 33 29 41	16,3 17,3 17,3 20,0 21,0 15,5 21,5 17,0 16,0 18,0 16,7 17,0 15,7 25,0 32,5 20,3 31,5 24,3 22,5 23,0 23,0 22,7 16,0 16,0 16,5 15,0 19,5 15,3 16,0 15,7 15,7 17,5 16,0 18,0 17,3 15,7 17,5 16,0 18,0 18,0 18,0 17,0 15,5 16,0 16,0 16,0 28,0 35,5	17 17 16 17 23 14 21 17 16 16 16 17 16 26 36 21 31 25 22 23 22 15 16 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16 27 30 41	15,7 17,0 16,0 17,0 22,1 14,0 21,0 17,0 16,0 20,0 16,0 17,0 15,0 25,5 33,5 20,4 31,0 24,2 22,0 23,0 22,0 24,0 15,0 16,0 14,0 15,0 16,0 15,5 15,0 16,0 15,6 14,7 17,0 15,3 18,0 16,6 17,0 16,6 18,0 18,0 16,3 17,5 15,8 16,0 16,0 15,5 27,0 30,0	16,9 17,3 17,3 20,5 22,1 15,5 21,5 17,0 16,0 18,0 16,7 17,0 16,4 26,7 35,0 21,7 32,0 25,0 22,5 23,7 23,0 22,7 24,0 18,0 17,8 16,3 16,7 17,5 11,3 18,0 18,3 17,5 16,7 17,0 16,6 18,0 18,0 17,5 17,8 16,0 16,0 16,0 16,0 28,0 35,5	4,0 4,0 3,9 3,2 3,3 2,0 3,5 2,0 4,0 3,5 4,0 3,0 4,0 2,7 4,0 2,8 4,0 3,2 4,0 3,9 4,0 3,6 3,7 4,0 3,6 3,0 4,0 2,4 3,0 3,6 2,2 1,5 2,2 4,0 1,0 3,5 2,6 1,8 2,0 4,0 4,0 4,0 2,0 2,0	1 1 1 1 5 1 1 7 20 2 8 7 10 1 59 2 28 8 4 1 3 1 27 7 20 12 2 7 12 39,7 2 2 8 5 4 3 11 2 3	39,0 39,0 43,0 43,0 34,8 43,0 40 43,0 40,5 43,0 41,0 41,3 38,1 39,0 37,3 36,7 43,0 43,8 40,5 40,5 43,6 43,0 38,0 41,0 39,7 21,5 36,0 34,6 40,3 36,0 43,7 40 38,3	2,0 2,0

	Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score				
	Ligustrum	23	26	28	26,7	27	30	28,0	26,5	28,6	27,3	3,4	25	40,2	3,4	
	Ligustrum acuminatum	2	26	29	27,5	26	29	27,5	26,0	29,0	27,5	3,5	2	44,5		
	Ligustrum delavayanum	3	28	28	28,0	28	29	28,5	28,0	28,5	28,3	3,8	3	41,0		
	Ligustrum foliosum	8	27	29	27,7	27	29	27,7	27,0	29,0	27,7	2,8	8	43,0	3,3	
	Ligustrum ibolium	3	28	28	28,0	28	31	29,5	28,0	29,5	28,8	4,0	3	43,0	4,0	
	Ligustrum ibota	4	28	28	28,0	28	29	28,3	28,0	28,5	28,2	4,0	3	41,5	3,0	
	Ligustrum obtusifolium	5	27	28	27,5	28	28	28,0	27,5	28,0	27,8	3,4	3	38,5	3,0	
	Ligustrum obtusifolium regelianum	3	25	29	27,3	25	29	27,3	25,0	29,0	27,3	4,0	3	21,5	2,0	
	Ligustrum ovalifolium	3	29	32	30,5	29	32	30,5	29,0	32,0	30,5	3,5	2			
	Ligustrum sinense	6	28	29	28,3	28	30	28,7	28,0	29,5	28,5	3,7	4	40,0		
	Ligustrum vicaryi	1	29	29	29,0	29	29	29,0	29,0	29,0	29,0	4,0	2	42,0	3,0	
	Ligustrum vulgare	19	27	28	27,3	27	30	28,3	27,6	27,0	28,3	27,6	2,9	14	41,0	2,5
	Ligustrum vulgare cv. 'Atrovirens Select'	2	29	29	29,0	30	30	30,0	29,5	29,5	29,5	4,0				
	Lindera benzoin	5	16	19	17,5	17	21	19,0	16,5	19,7	18,1	3,5				
	Liriodendron tulipifera	3	21	29	25,7	21	29	25,7	21,0	29,0	25,7	3,3	2			
	Lonicera	22	19	25	22,7	25	25	25,0	24,3	25,0	24,7	2,7	26	37,2	2,4	
	Lonicera alpigena	6	20	23	21,7	20	23	22,0	20,0	23,0	21,8	3,1	5	33,0	2,0	
	Lonicera altaica	4	19	19	19,0	20	20	20,0	19,3	19,3	19,3	1,8	3	28,0		
	Lonicera caerulea	25	17	19	18,3	19	27	23,3	18,2	20,8	19,5	3,1	2	29,0	3,0	
	Lonicera caerulea var. edulis	2	19	19	19,0	19	19	19,0	19,0	19,0	19,0	3,5				
	Lonicera caucasica	12	23	23	23,0	24	25	24,5	23,7	24,3	24,0	3,1	15	33,2	2,3	
	Lonicera cf. serreana	5	21	21	21,0	21	21	21,0	21,0	21,0	21,0	2,0	4	34,0	0,7	
	Lonicera cf. xylosteum	1	19	19	19,0	19	19	19,0	19,0	19,0	19,0	4,0				
	Lonicera chamissoi												12	30,6	0,3	
	Lonicera chrysantha	3	23	23	23,0	23	23	23,0	23,0	23,0	23,0	3,3	11	33,7	2,5	
	Lonicera chrysantha form crassipes	25	20	21	20,3	20	21	20,3	20,0	21,0	20,3	3,2	33	35,8	2,4	
	Lonicera ciliosa	1	26	26	26,0	26	26	26,0	26,0	26,0	26,0	2,0				
	Lonicera deflexicalyx	1	22	22	22,0	22	22	22,0	22,0	22,0	22,0	3,0	1	30,0		
	Lonicera demissa	6	20	21	20,5	21	21	21,0	20,3	21,0	20,6	3,1	16	35,3	3,0	
	Lonicera ferdinandii	4	23	24	23,5	23	24	23,5	23,0	24,0	23,5	3,0	4	34,0	3,0	
	Lonicera henryi	1	28	28	28,0	28	28	28,0	28,0	28,0	28,0	2,0				
	Lonicera hispida												11	28,7	1,5	
	Lonicera iberica	2	26	26	26,0	26	26	26,0	26,0	26,0	26,0	2,0				
	Lonicera involucrata	10	19	22	20,5	22	24	23,0	22,0	23,0	22,5	2,2	13	29,8	2,5	
	Lonicera korolkowii	2	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,0				
	Lonicera lanceolata												2	33,0	1,0	
	Lonicera ledebourii	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	2,0				
	Lonicera muscaviensis	2	21	22	21,5	21	22	21,5	21,0	22,0	21,5	3,0	1	32,0	3,0	
	Lonicera maackii var. podocarpa	5	24	25	24,5	25	25	25,0	24,7	25,0	24,8	3,5	8	41,8		
	Lonicera nigra	13	20	21	20,7	21	28	23,3	20,5	23,0	21,5	3,1	34	28,3	3,0	
Lonicera orientalis	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,0					
Lonicera periclymenum	1	27	27	27,0	27	27	27,0	27,0	27,0	27,0	2,0					
Lonicera prolifera	1	25	25	25,0	25	25	25,0	25,0	25,0	25,0	3,0					
Lonicera ramosissima	10	20	21	20,5	21	22	21,5	20,6	21,6	21,1	3,6	19	33,1	3,4		
Lonicera simulatrix	6	21	21	21,0	21	21	21,0	21,0	21,0	21,0	1,8					
Lonicera stanantha	8	19	20	19,5	19	21	20,0	19,0	20,3	19,7	2,9	4	28,2	3,0		
Lonicera tangutica	2	21	21	21,0	24	24	24,0	22,5	22,5	22,5	3,0	1	32,0	2,0		
Lonicera tatarica	12	21	23	22,0	22	23	22,7	21,4	23,0	22,3	2,9	15	30,3	2,8		

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Lonicera tatarica</i> cv. 'Angustifolia'	1	22	22,0	22	22,0	22,0	22,0	2,0			
<i>Lonicera vesicaria</i>	4	25	25,0	25	25,0	25,0	25,0	2,5	4	42,5	
<i>Lonicera X gibbiflora</i>	3	20	20,0	20	20,0	20,0	20,0	3,7	2	33,0	4,0
<i>Lonicera X minutiflora</i>	1	21	21,0	21	21,0	21,0	21,0	3,0	1	31,0	
<i>Lonicera X muendeniensis</i> var. <i>xanthocarpa</i>									1	32,0	2,0
<i>Lonicera X notha</i> cv. 'Alba'	3	20	20,3	20	20,3	20,0	20,3	2,7			
<i>Lonicera X purpusii</i>	2	15	15,5	15	15,5	15,0	15,5	3,5			
<i>Lonicera xylosteum</i>	32	20	20,3	21	21,7	20,5	20,9	3,1	75	31,5	2,9
<i>Lysichiton americanum</i>	1	18	18,0	18	18,0	18,0	18,0	1,0			
<i>Magnolia cf. salicifolia</i>									1	41,0	
<i>Magnolia denudata</i>	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Magnolia kobus</i>	9	17	17,7	17	18,3	17,0	17,9	3,6	2	43,0	
<i>Magnolia obovata</i>	1	23	23,0	23	23,0	23,0	23,0	2,0	1	40,0	
<i>Magnolia sieboldii</i>	17	23	23,3	23	24,0	23,0	23,6	2,5	11	40,4	2,0
<i>Magnolia sieboldii</i> subsp. <i>sinensis</i>	2	22	22,0	22	22,0	22,0	22,0	3,0	4	37,8	2,0
<i>Magnolia sprengeri</i> cv. 'Diva'	2	18	18,5	18	18,5	18,0	18,5	3,0			
<i>Magnolia stellata</i>	6	18	18,3	18	18,7	18,0	18,5	3,0	4	42,8	2,0
<i>Magnolia tripetala</i>	3	23	24,3	23	24,3	23,0	24,3	2,0	3	43,0	3,0
<i>Magnolia X soulangeana</i> cv. 'Lemee'	3	22	22,0	22	22,0	22,0	22,0	3,3	1		
<i>Mahonia</i>	17	18	19,0	18	19,3	18,0	19,1	3,8	13	30,9	3,0
<i>Mahonia aquifolium</i>	24	18	19,0	19	19,7	18,6	19,2	3,4	26	33,0	3,0
<i>Mahonia nervosa</i>	6	18	19,5	19	20,0	18,5	19,8	3,4			
<i>Mahonia repens</i>	3	19	19,0	19	19,0	19,0	19,0	3,3	3	31,5	3,0
<i>Malus adstringens</i> cv. 'Queens Choice'									1	41,0	2,0
<i>Malus asiatica</i>	9	20	21,3	22	22,7	21,0	22,2	3,6	9	39,6	3,0
<i>Malus asiatica</i> var. <i>wrightii</i>	6	21	21,0	21	21,5	21,0	21,3	3,8	5	39,0	3,5
<i>Malus baccata</i>	22	19	19,3	21	21,7	20,1	21,3	3,9	27	39,2	3,4
<i>Malus cv. 'Arrow'</i>	2	21	21,5	21	21,5	21,0	21,5	4,0	3	38,5	
<i>Malus cv. 'John Downie'</i>	1	20	20,0	20	20,0	20,0	20,0	4,0	2	39,0	3,0
<i>Malus floribunda</i>	8	20	20,3	21	21,3	20,3	21,5	4,0	7	41,5	3,0
<i>Malus fusca</i>	3	22	22,0	23	23,0	22,3	22,3	3,3	3	41,8	
<i>Malus halliana</i>	3	21	21,5	21	21,5	21,0	21,5	3,3	6	38,7	2,5
<i>Malus hupehensis</i>	10	18	18,7	20	20,7	19,7	19,8	4,0	9	42,8	4,0
<i>Malus kansuensis form calva</i>	2	20	21,0	20	21,0	20,0	21,0	4,0	3	39,5	4,0
<i>Malus komarovii</i>	1	20	20,0	20	20,0	20,0	20,0	3,0	1	41,0	
<i>Malus mandshurica</i>	3	20	21,3	20	21,3	20,0	21,3	3,0	5	37,0	3,0
<i>Malus micromalus</i>	6	19	20,0	20	20,3	19,5	20,2	3,8	4	41,0	3,0
<i>Malus prunifolia</i>	3	19	20,0	19	20,0	19,0	20,0	4,0	2	38,5	
<i>Malus robusta</i>	1	23	23,0	23	23,0	23,0	23,0	4,0	3	42,0	4,0
<i>Malus rockii</i>	2	20	21,5	23	21,5	20,0	21,5	4,0	3	41,3	4,0
<i>Malus sargentii</i>	11	21	21,0	21	21,3	21,0	21,3	3,9	13	39,4	3,8
<i>Malus sargentii</i> cv. 'Rosea'	3	20	20,3	20	20,3	20,0	20,3	4,0	4	40,5	4,0
<i>Malus sikkimensis</i>	4	21	21,5	21	21,5	21,0	21,5	4,0	2	43,0	
<i>Malus sylvestris</i>	2	20	20,5	20	21,0	20,0	20,5	3,0	2	41,5	2,0
<i>Malus toringo</i>	7	20	20,3	23	21,3	20,0	20,9	3,8	7	40,7	4,0
<i>Malus toringo</i> var. <i>aborescens</i>	3	20	20,7	20	20,7	20,0	20,7	4,0	5	27,3	3,8
<i>Malus toringoides</i>	5	22	22,5	22	22,5	22,0	22,5	3,5	11	40,7	2,6
<i>Malus yunnanensis</i>	2	22	22,5	23	22,5	22,0	22,5	3,5	2	41,0	

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Malus yunnanensis</i> var. <i>veitchii</i>	1	23	23	23	23,0	23,0	23,0	3,0	2	41,5	2,0
<i>Meliosma flexuosa</i>											
<i>Meliosma tenuis</i>	2	29	30	30	29,5	29,0	29,5	4,0	2	42,5	4,0
<i>Meliosma veitchiorum</i>	4	21	22	21,7	22,7	21,0	22,2	3,8	2	40,5	
<i>Menziesia ferruginea</i>	6	21	22	21,5	22,5	22,0	22,1	2,5	4		
<i>Menziesia pilosa</i>	2	23	23	23,0	23,0	23,0	23,0	2,0	3	45,5	3,0
<i>Mespilus germanica</i>	17	22	24	22,7	24,0	22,4	23,4	3,1	14	44,8	3,3
<i>Metasequoia glyptostroboides</i>	25	14	16	15,0	15,0	14,0	15,0	3,3	15	51,0	3,3
<i>Microbiota decussata</i>	26	13	15	13,7	14,0	13,0	13,8	2,1			
<i>Morus australis</i>											
<i>Myrica gale</i>	7	16	18	17,0	17,5	16,0	17,1	3,6	1	29,0	
<i>Maackia amurensis</i>	4	30	30	30,0	30,0	30,0	30,0	4,0	4	39,0	
<i>Maackia amurensis</i> var. <i>buergeri</i>	2	30	30	30,0	30,0	30,0	30,0	4,0	3	41,5	
<i>Maackia fauriei</i>	6	31	32	31,5	32,5	31,0	32,0	4,0	5	30,0	
<i>Nandina domestica</i>	2	29	36	32,5	32,5	29,0	32,5	2,0			
<i>Neillia longiracemosa</i>	4	23	24	23,5	25,0	24,0	24,3	3,8	2	38,5	4,0
<i>Neillia ribesoides</i>	9	23	24	23,5	25,0	23,8	24,3	3,7	9	40,3	4,0
<i>Nothofagus antarctica</i>	9	19	19	19,0	19,3	19,0	19,3	3,8	5	31,5	
<i>Nothofagus obliqua</i>	1	19	19	19,0	19,0	19,0	19,0	4,0	5	40,6	
<i>Nothofagus pumilio</i>	1	20	20	20,0	20,0	20,0	20,0	4,0			
<i>Nyssa sylvatica</i>	1	26	26	26,0	26,0	26,0	26,0	4,0	2	41,5	
<i>Oemleria cerasiformis</i>	19	15	19	16,7	17,3	15,7	17,1	3,7	3	33,5	1,0
<i>Oplopanax horridus</i>	7	22	23	22,3	22,7	22,0	22,6	2,8	9	28,9	2,8
<i>Oplopanax horridus</i> x <i>japonicus</i>	3	23	23	23,0	23,0	23,0	23,0	2,7	3	29,5	2,0
<i>Orixa japonica</i>	23	20	20	20,0	21,0	20,0	21,2	3,7			
<i>Osmanthus delavayi</i>	1	18	18	18,0	18,0	18,0	18,0	3,0			
<i>Ostrya carpinifolia</i>	6	18	19	18,7	18,7	18,0	18,7	4,0	5	40,0	4,0
<i>Ostrya cf. carpinifolia</i>									1	40,0	
<i>Ostrya japonica</i>	4	19	19	19,0	19,0	19,0	19,0	4,0	6	40,0	4,0
<i>Ostrya virginiana</i>	22	18	19	18,7	19,0	18,8	18,9	3,7	17	41,1	3,3
<i>Paeonia delavayi</i>	5	22	23	22,3	22,7	22,0	22,5	1,7	6	41,0	1,0
<i>Paeonia X suffruticosa</i>	44	21	22	21,7	22,7	21,5	22,4	1,9	46	39,6	1,4
<i>Parrattia persica</i>	1	18	18	18,0	18,0	18,0	18,0	3,0	2	44,0	
<i>Parratiopsis jacquemontiana</i>	1	20	20	20,0	20,0	20,0	20,0	3,0			
<i>Paulownia tomentosa</i>	1	23	23	23,0	23,0	23,0	23,0	2,0	3	40,0	3,0
<i>Paxistima myrtifolia</i>	2	14	33	23,5	23,5	14,0	23,5	3,0	1		
<i>Petteria ramentacea</i>	3	22	23	22,7	22,7	22,0	22,7	2,7	2	36,0	
<i>Phellodendron amurense</i>	8	24	25	24,7	25,0	24,0	24,8	3,9	4	42,7	4,0
<i>Phellodendron amurense</i> x <i>japonicum</i>	2	25	25	25,0	26,0	25,5	25,5	4,0	8	42,5	3,7
<i>Phellodendron chinense</i>	2	25	25	25,0	26,0	25,5	25,5	3,0	5	43,2	4,0
<i>Phellodendron insulare</i>									3	43,0	
<i>Phellodendron sachalinense</i>									5	40,5	4,0
<i>Philadelphus</i> cv. 'Virginia'	3	24	25	24,7	24,7	24,0	24,7	3,7	2	43,0	
<i>Philadelphus delavayi</i> var. <i>calvescens</i>	13	23	24	23,5	24,5	23,6	24,5	3,0	12	43,8	
<i>Philadelphus gordonianus</i>	2	26	26	26,0	26,0	26,0	26,0	4,0	1	40,0	
<i>Philadelphus incanus</i>	2	26	28	27,0	27,0	26,0	27,0	2,0	2	43,0	
<i>Philadelphus laxus</i>	3	26	28	26,7	26,7	26,0	26,7	3,0	1	43,0	
<i>Philadelphus lewisii</i>	4	26	26	26,0	28,0	27,0	27,0	3,0	2		

	Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score		
	<i>Philadelphus magdalenae</i>	6	23	24	23,3	23	24	23,3	23,0	24,0	23,3	4	40,0	
	<i>Philadelphus pekinensis</i>	13	26	26	26,0	26	26	26,0	26,0	26,0	26,0	9	45,0	
	<i>Philadelphus purpurascens</i>	15	24	24	24,0	24	24	24,0	24,0	24,0	24,0	14	39,6	3,0
	<i>Philadelphus satsumanus</i>	2	25	25	25,0	25	25	25,0	25,0	25,0	25,0	1		3,5
	<i>Philadelphus schrenkii</i>	48	23	24	23,3	25	26	25,7	23,8	24,5	24,2	32	43,1	3,5
	<i>Philadelphus subcanus</i>	5	24	25	24,5	24	26	25,0	24,0	25,3	24,6	8	43,6	
	<i>Philadelphus tenuifolius</i>	12	23	24	23,7	24	24	24,0	23,3	24,0	23,8	12	43,5	
	<i>Philadelphus verrucosus</i>	5	27	29	28,0	27	29	28,0	27,0	29,0	28,0	2		43,0
	<i>Philadelphus X cymosus</i>	3	26	28	26,7	26	28	26,7	26,0	28,0	26,7	2		
	<i>Philadelphus X lemoinei</i>	2	26	26	26,0	26	26	26,0	26,0	26,0	26,0	1		
	<i>Philadelphus X virginalis</i>	2	28	29	28,5	28	29	28,5	28,0	29,0	28,5	1		
	<i>Photinia beauverdiana</i>	7	23	24	23,3	23	25	24,0	23,3	24,0	23,7	10	40,9	2,0
	<i>Photinia davidiana</i>	4	25	27	26,0	25	27	26,0	25,0	27,0	26,0	2	42,5	3,0
	<i>Photinia laevis</i>	7	22	23	22,7	22	23	22,7	22,0	23,0	22,7	7	38,9	2,0
	<i>Photinia parvifolia</i>	11	19	25	22,3	25	32	29,0	23,0	29,2	26,2	10	40,9	3,0
	<i>Photinia villosa</i>	33	19	23	21,3	24	24	24,0	22,6	23,6	23,1	43	40,5	2,4
	<i>Photinia villosa form maximowicziana</i>	12	24	25	24,3	25	25	25,0	24,2	25,0	24,5	9	39,7	3,3
	<i>Photinia villosa var. sinica</i>	8	23	24	23,7	24	24	24,0	23,3	24,0	23,8	8	42,3	3,3
	<i>Physocarpus</i>	12	25	25	25,0	25	26	25,5	25,0	25,7	25,4	15	39,9	3,6
	<i>Physocarpus capitatus</i>	33	24	24	24,0	25	27	26,0	24,5	25,1	24,8	33	39,9	3,9
	<i>Physocarpus malvaceus</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	30	40,3	3,9
	<i>Physocarpus opulifolius</i>	33	25	26	25,3	26	27	26,7	25,1	26,4	25,8	38	40,3	
	<i>Picea (sitka x glauca) x glauca</i>	2	19	21	20,0	19	21	20,0	19,0	21,0	20,0	1	41,0	
	<i>Picea abies</i>	12	20	21	20,5	21	21	21,0	20,5	21,0	20,8	9	40,4	
	<i>Picea abies cv. 'Cupressina'</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	20,0	1	45,0	
	<i>Picea alcoquiana</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	1	42,0	
	<i>Picea asperata</i>	22	19	20	19,3	20	22	20,7	19,7	20,3	20,0	18	42,1	
	<i>Picea brachytyla</i>	2	21	21	21,0	21	21	21,0	21,0	21,0	21,0	2,0		
	<i>Picea breweriana</i>	3	22	22	22,0	22	22	22,0	22,0	22,0	22,0	3	39,0	
	<i>Picea chihuahuana</i>											1	42,0	
	<i>Picea crassifolia</i>	10	19	20	19,7	19	20	19,7	19,0	20,0	19,7	2	41,0	
	<i>Picea engelmannii</i>	11	20	20	20,0	21	22	21,5	20,7	20,9	20,8	17	40,6	
	<i>Picea engelmannii subsp. mexicana</i>	12	20	21	20,5	21	22	21,5	20,2	21,1	20,7	10	40,5	
	<i>Picea glauca</i>	31	19	20	19,3	20	21	20,7	19,5	20,0	19,8	34	39,3	2,2
	<i>Picea glehnii</i>	4	20	21	20,5	20	21	20,5	20,0	21,0	20,5	3	40,0	
	<i>Picea jezoensis</i>	41	19	19	19,0	20	21	20,7	19,7	20,4	19,9	31	41,5	2,0
	<i>Picea jezoensis x sitchensis</i>	2	20	21	20,5	20	21	20,5	20,0	21,0	20,5	2	42,0	
	<i>Picea koraiensis</i>	9	19	20	19,5	20	21	20,5	20,0	20,0	20,0	4	40,3	
	<i>Picea koyamae</i>	9	19	20	19,5	20	21	20,5	20,0	20,3	20,1	4	41,0	
	<i>Picea likiangensis</i>	18	19	20	19,7	20	22	21,0	20,0	20,7	20,2	7	44,3	3,0
	<i>Picea mariana</i>	3	20	20	20,0	21	21	21,0	20,7	20,7	20,7	6	39,8	
	<i>Picea maximowiczii</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	1	42,1	
	<i>Picea meyeri</i>	8	19	20	19,5	20	20	20,0	19,7	20,0	19,8	7	42,1	
	<i>Picea morrisonicola</i>	3	21	21	21,0	21	21	21,0	21,0	21,0	21,0	3	39,5	3,0
	<i>Picea obovata</i>	2	20	20	20,0	20	20	20,0	20,0	20,0	20,0	3	39,5	
	<i>Picea omorica</i>	4	21	21	21,0	21	21	21,0	21,0	21,0	21,0	3	39,8	
<i>Picea orientalis</i>	4	21	21	21,0	21	21	21,0	21,0	21,0	21,0	5	39,8		
<i>Picea purpurea</i>	4	20	21	20,5	21	21	21,0	20,3	21,0	20,7	3	42,0		

	Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score		
	<i>Picea rubens</i>	5	20	21	20,5	21	21,0	20,5	21,0	20,8	3,5	3	41,5	
	<i>Picea schrenkiana</i>	3	20	20	20,0	20	20,0	20,0	20,0	20,0	2,3			
	<i>Picea schrenkiana</i> subsp. <i>tianschanica</i>	3	20	20	20,0	21	21,0	20,3	20,3	20,3	2,3	3	40,0	
	<i>Picea sitchensis</i>	65	19	20	19,7	20	20,7	20,0	20,3	20,1	3,3	40	40,9	
	<i>Picea sitchensis</i> x <i>mariana</i>	3	20	20	20,0	20	20,0	20,0	20,0	20,0	3,5	2	39,0	
	<i>Picea torano</i>	1	21	21	21,0	21	21,0	21,0	21,0	21,0	3,0			
	<i>Picea wilsonii</i>	14	20	20	20,0	20	20,5	20,0	20,6	20,3	4,0	9	43,0	
	<i>Picea</i> X <i>lutzii</i>	14	20	20	20,0	20	21	20,5	20,0	20,3	20,1	9	39,3	
	<i>Picrasma quassioides</i>	2	22	24	23,0	22	24	23,0	22,0	24,0	23,0	4,0		
	<i>Pieris floribunda</i>	2	17	18	17,5	17	18	17,5	17,0	18,0	17,5	3,5	1	
	<i>Pieris japonica</i>	25	14	16	15,0	16	19	15,5	17,4	16,1	3,2	9	50,5	
	<i>Pinus armandii</i>												2,5	
	<i>Pinus attenuata</i>	17	20	22	21,0	21	22	21,7	20,7	22,0	21,3	3,9	15	41,4
	<i>Pinus banksiana</i>	14	20	21	20,7	21	23	21,7	20,8	21,0	20,9	3,4	6	43,0
	<i>Pinus</i> cf. <i>sylvestris</i>	2	20	20	20,0	20	20,0	20,0	20,0	20,0	20,0	3,5		
	<i>Pinus contorta</i>	227	20	21	20,7	21	24	22,3	20,8	22,0	21,6	3,9	159	40,6
	<i>Pinus contorta</i> var. <i>latifolia</i>	7	20	21	20,5	20	21	20,5	20,0	21,0	20,5	3,9	5	43,0
	<i>Pinus densata</i>	7	20	22	21,0	21	22	21,7	21,0	22,0	21,3	3,7		
	<i>Pinus densiflora</i>	21	22	22	22,0	23	24	23,3	22,3	22,9	22,5	3,4	27	42,8
	<i>Pinus densiflora</i> form <i>erecta</i>	1	23	23	23,0	23	23	23,0	23,0	23,0	23,0	2,0	1	44,0
	<i>Pinus flexilis</i> var. <i>reflexa</i>												1	43,0
	<i>Pinus heldreichii</i>	1	23	23	23,0	23	23	23,0	23,0	23,0	23,0	4,0		
	<i>Pinus jeffreyi</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	3,0	2	43,5
	<i>Pinus koraiensis</i>	6	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,5	23	45,0
	<i>Pinus mugo</i>	5	23	23	23,0	23	24	23,3	23,0	23,5	23,2	3,5	2	44,0
	<i>Pinus mugo</i> subsp. <i>rotundata</i>	2	23	23	23,0	24	24	24,0	23,5	23,5	23,5	3,0	3	45,0
	<i>Pinus mugo</i> subsp. <i>uncinata</i>	21	22	23	22,7	23	24	23,7	23,0	23,1	23,1	3,8	15	41,1
	<i>Pinus nigra</i>	10	23	23	23,0	23	25	24,0	23,0	23,5	23,3	3,8	3	45,0
	<i>Pinus nigra</i> subsp. <i>nigra</i>	9	23	23	23,0	23	24	23,3	23,0	23,8	23,3	3,8	3	44,0
	<i>Pinus nigra</i> subsp. <i>pallasiana</i>												1	45,0
	<i>Pinus nigra</i> subsp. <i>salzmannii</i>	1	23	23	23,0	23	23	23,0	23,0	23,0	23,0	4,0	1	44,0
	<i>Pinus parviflora</i>												1	44,0
	<i>Pinus peuce</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	4,0	2	40,5
	<i>Pinus pinaster</i> subsp. <i>escarena</i>	8	23	24	23,7	23	25	24,0	23,0	24,5	23,8	3,7	27	39,3
	<i>Pinus ponderosa</i>	12	22	23	22,7	22	23	22,7	22,0	23,0	22,7	4,0	1	45,0
	<i>Pinus ponderosa</i> var. <i>ponderosa</i>	16	20	22	21,0	22	25	23,0	21,0	23,3	21,8	3,2	11	39,7
	<i>Pinus ponderosa</i> var. <i>scopularum</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	20,0	4,0	8	41,0
	<i>Pinus pumila</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	20,0	2,0		
	<i>Pinus pungens</i>	15	20	21	20,7	21	23	22,0	20,7	22,3	21,6	3,6	9	37,2
	<i>Pinus resinosa</i>	2	20	21	20,5	20	21	20,5	20,0	21,0	20,5	3,5	1	43,0
<i>Pinus resinosa</i>	6	21	25	23,0	21	25	23,0	21,0	25,0	23,0	3,9	6	43,0	
<i>Pinus rigida</i>	6	20	21	20,5	20	21	20,5	20,0	21,0	20,5	3,0	9	42,5	
<i>Pinus strobus</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	4,0	4	40,3	
<i>Pinus sylvestris</i>	142	15	21	19,0	22	23	22,7	19,7	21,9	21,2	3,7	88	43,3	
<i>Pinus sylvestris</i> var. <i>mongolica</i>	25	20	21	20,3	20	22	21,3	20,0	21,2	20,7	3,8	17	44,2	
<i>Pinus tabulaeformis</i>	7	22	23	22,5	23	23	23,0	22,8	23,0	22,9	3,4	3	44,0	
<i>Pinus thunbergii</i>	2	22	22	22,0	22	22	22,0	22,0	22,0	22,0	3,5	1		
<i>Pinus wallichiana</i>	3	24	26	25,0	24	26	25,0	24,0	26,0	25,0	3,5			
<i>Pinus</i> X <i>mugo</i> x <i>sylvestris</i>	1	23	23	23,0	23	23	23,0	23,0	23,0	23,0	4,0	1	45,0	

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Prunus maximowiczii</i>	3	20	22	21,0	20	22	21,0	4,0			
<i>Prunus maackii</i>	21	19	20	19,7	20	22	20,3	3,8	12	31,2	2,5
<i>Prunus nipponica</i>	6	16	18	16,7	16	19	16,9	3,7			
<i>Prunus nipponica</i> var. <i>kurlensis</i>	3	17	19	17,7	17	19	17,7	3,3			
<i>Prunus padus</i>	57	19	19	19,0	19	21	19,2	3,7	18	34,4	2,2
<i>Prunus padus</i> subsp. <i>padus</i>	9	19	20	19,3	19	20	19,3	3,0	5	29,5	1,7
<i>Prunus padus</i> var. <i>glauca</i>	12	18	19	18,7	19	20	19,3	3,8	11	30,5	2,8
<i>Prunus pennsylvanica</i>	14	19	19	19,0	19	29	22,7	3,9	2	31,5	3,0
<i>Prunus pilosiuscula</i>	2	18	19	18,5	18	19	18,5	4,0			
<i>Prunus quelpaertensis</i>	2	16	19	17,5	16	19	17,5	3,0			
<i>Prunus sargentii</i>	5	16	19	17,3	16	19	17,3	4,0	1	34,0	2,0
<i>Prunus scopulorum</i>	2	16	19	17,5	16	19	17,5	3,0			
<i>Prunus serotina</i>	20	22	24	22,7	22	24	23,2	3,9	12	39,6	
<i>Prunus serrula</i> var. <i>thibetica</i>	3	19	20	19,3	19	20	19,3	4,0	2	33,0	1,0
<i>Prunus serrulata</i> cv. 'Choshihizakura'	2	19	19	19,0	19	19	19,0	4,0	1	34,0	0,0
<i>Prunus serrulata</i> cv. 'Fudan-Zakura'	2	17	19	18,0	17	19	18,0	3,0			
<i>Prunus serrulata</i> cv. 'Hokusai'	1	19	19	19,0	19	19	19,0	2,0			
<i>Prunus serrulata</i> cv. 'Hosokawa-Odora'	3	19	21	20,0	19	21	20,0	3,0	1	34,0	1,0
<i>Prunus serrulata</i> cv. 'Ouchii-Zakura'	8	19	19	19,0	19	19	19,0	2,7			
<i>Prunus serrulata</i> cv. 'Sakan'	1	19	19	19,0	19	19	19,0	4,0	1	34,0	0,0
<i>Prunus serrulata</i> cv. 'Shujaku'	4	20	21	20,5	20	21	20,5	4,0			
<i>Prunus serrulata</i> var. <i>spontanea</i>	2	19	19	19,0	19	19	19,0	4,0			
<i>Prunus spinosa</i>	6	19	21	20,0	19	21	20,0	3,3	1		
<i>Prunus ssiroi</i>	5	19	22	21,0	19	22	21,0	4,0	1	35,0	4,0
<i>Prunus subcordata</i>	3	18	19	18,3	18	19	18,3	3,0	1	34,0	
<i>Prunus subhirtella</i> cv. 'Pendula'	3	16	19	18,0	16	19	18,0	4,0			
<i>Prunus subhirtella</i> x <i>yedoensis</i>	3	17	19	18,0	17	19	18,0	4,0			
<i>Prunus susquehannae</i>	2	19	21	20,0	19	21	20,0	4,0	1	34,0	3,0
<i>Prunus tomentosa</i>	2	17	19	18,0	17	19	18,0	2,5			
<i>Prunus triloba</i>	1	19	19	19,0	19	19	19,0	3,0			
<i>Prunus virginiana</i>	11	21	22	21,7	22	22	22,0	3,2	7	34,4	2,0
<i>Prunus virginiana</i> subsp. <i>melanocarpa</i>	1	19	19	19,0	19	19	19,0	4,0			
<i>Prunus</i> X <i>sieboldii</i>	10	19	20	19,3	19	20	19,3	3,6	1	34,0	0,0
<i>Prunus</i> X <i>yedoensis</i>	7	18	19	18,7	19	19	18,8	3,7			
<i>Prunus</i> X <i>yedoensis</i> cv. 'Yoshino-Zakura'	1	19	19	19,0	19	19	19,0	3,0			
<i>Pseudotsuga menziesii</i>	11	19	21	19,7	20	21	20,3	3,9	9	41,5	4,0
<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	5	19	20	19,5	20	20	19,6	3,3	5	42,4	
<i>Ptelea nitens</i>	1	26	26	26,0	26	26	26,0	3,0	1		
<i>Ptelea trifoliata</i>	2	26	26	26,0	26	26	26,0	3,5	2	41,0	
<i>Ptelea trifoliata</i> var. <i>mollis</i>	6	22	25	24,0	22	25	24,0	3,7			
<i>Pterocarya fraxinifolia</i>	6	19	20	19,3	19	26	20,7	3,9	4	42,0	
<i>Pterocarya macroptera</i>	4	19	19	19,0	26	26	20,5	3,0	5	40,3	4,0
<i>Pterocarya rhoifolia</i>	5	19	20	19,3	19	23	20,7	4,0	7	40,9	4,0
<i>Pterocarya stenoptera</i>									3	42,3	
<i>Pterostyrax corymbosa</i>	7	23	24	23,5	24	25	23,9	3,9	6	44,5	
<i>Pterostyrax hispida</i>	6	25	26	25,3	25	26	25,5	4,0	4	42,0	
<i>Pyraecanthus angustifolia</i>									4	38,5	4,0
<i>Pyraecanthus coccinea</i>	2	24	25	24,5	24	25	24,5	4,0	2	42,0	2,0

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score		
<i>Pyracantha crenato-serrata</i>	7	24	26	25,3	26	26,0	25,5	26,0	25,8	3,8	8	41,2	3,7
<i>Pyrus</i>	9	18	20	18,7	19	20	18,7	20,0	19,2	3,8	6	44,2	3,3
<i>Pyrus amygdaliformis</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	3,0			
<i>Pyrus amygdaliformis</i> var. <i>persica</i>	2	19	20	19,5	19	20	19,0	20,0	19,5	3,5	3	38,7	3,0
<i>Pyrus calleryana</i>	6	20	21	20,7	20	21	20,0	21,0	20,7	3,7	4	43,5	2,0
<i>Pyrus calleryana</i> var. <i>faurei</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	3,0	1	39,0	
<i>Pyrus communis</i>	5	19	20	19,3	19	20	19,0	20,0	19,5	3,8	3	41,0	2,5
<i>Pyrus communis</i> cv. 'Gråpære'	1	19	19	19,0	19	19	19,0	19,0	19,0	4,0			
<i>Pyrus lindleyi</i>	4	19	20	19,3	19	20	19,0	20,0	19,5	3,3	2	40,5	3,0
<i>Pyrus pyramider</i>	13	19	19	19,0	19	20	19,0	19,3	19,1	3,8	6	40,0	
<i>Pyrus salicifolia</i>											3	40,0	4,0
<i>Pyrus salicifolia</i> cv. 'Pendula'	3	19	20	19,3	19	20	19,0	20,0	19,3	4,0	3	42,7	2,0
<i>Pyrus ussuriensis</i>	3	18	20	19,0	18	20	18,0	20,0	19,0	4,0	1	40,0	
<i>Pyrus ussuriensis</i> <i>hondoensis</i>	3	19	20	19,3	19	20	19,0	20,0	19,3	4,0	4	39,0	3,5
<i>Pyrus X canescens</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	4,0			
<i>Quercus alba</i>											1	31,0	
<i>Quercus cerris</i>	5	20	21	20,7	20	21	20,0	21,0	20,7	4,0	1	41,0	
<i>Quercus coccinea</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0	1	31,0	
<i>Quercus ellipsoidalis</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	3,0			
<i>Quercus frainetto</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	4,0			
<i>Quercus ilicifolia</i>	2	22	22	22,0	22	22	22,0	22,0	22,0	3,5			
<i>Quercus macranthera</i>	6	19	22	20,3	20	22	20,0	22,0	20,7	3,6	1		
<i>Quercus petraea</i>	6	20	20	20,0	20	21	20,0	20,5	20,3	4,0	4	39,5	4,0
<i>Quercus petraea</i> Hagholteegen	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0			
<i>Quercus petraea</i> subsp. <i>iberica</i>	2	19	21	20,0	19	21	19,0	21,0	20,0	4,0			
<i>Quercus petraea</i> x <i>robur</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0			
<i>Quercus pontica</i>	2	21	22	21,5	21	22	21,0	22,0	21,5	3,0			
<i>Quercus robur</i>	17	19	20	19,7	20	21	20,0	20,0	20,0	4,0	7	40,8	3,7
<i>Quercus robur</i> cv. 'Filicifolia'	1	21	21	21,0	21	21	21,0	21,0	21,0	4,0	1	43,0	
<i>Quercus robur</i> cv. 'Tardissima'	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0	1	43,0	
<i>Quercus robur</i> form <i>fastigiata</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	3,0			
<i>Quercus robur</i> Generalens Eg	2	20	20	20,0	20	20	20,0	20,0	20,0	4,0	1	43,0	
<i>Quercus robur</i> Prins Bernhards Eg	2	19	20	19,5	19	20	19,0	20,0	19,5	4,0	1	43,0	
<i>Quercus robur</i> Prins Carls Eg	3	20	20	20,0	20	20	20,0	20,0	20,0	4,0	1	43,0	
<i>Quercus robur</i> Skodsbølleegen	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0	1	43,0	
<i>Quercus robur</i> Skovfogedegen	1	20	20	20,0	20	20	20,0	20,0	20,0	4,0			
<i>Quercus robur</i> subsp. <i>imeretina</i>	2	19	19	19,0	19	19	19,0	19,0	19,0	4,0	2	40,0	4,0
<i>Quercus rubra</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	4,0	1	29,0	1,0
<i>Quercus texana</i>													
<i>Quercus velutina</i>	3	20	21	20,5	20	21	20,0	21,0	20,5	3,5			
<i>Quercus X schochiana</i>											1	31,0	
<i>Rhamnus</i>	8	22	24	23,3	22	24	22,0	24,0	23,3	3,3	14	38,9	2,0
<i>Rhamnus alpina</i>	5	20	22	21,0	21	22	20,7	22,0	21,2	3,7			
<i>Rhamnus cathartica</i>	16	19	23	21,3	19	24	19,0	23,1	21,7	3,7	46	37,9	2,5
<i>Rhamnus frangula</i>	21	23	33	26,7	25	33	24,2	33,0	27,2	3,5	19	37,1	2,8
<i>Rhamnus globosa</i>	2	23	23	23,0	23	23	23,0	23,0	23,0	3,5	11	38,0	
<i>Rhamnus imeretina</i>													
<i>Rhamnus leptophyllus</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	4,0	1	40,0	

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Rhamnus libanotica</i>	1	23	23,0	23	23,0	23,0	23,0	3,0	3	39,3	3,0
<i>Rhamnus purshiana</i>	4	20	20,0	21	21,0	20,5	20,5	2,8	3	36,5	2,5
<i>Rhamnus saxatilis</i> subsp. <i>tinctorius</i>	1	23	23,0	23	23,0	23,0	23,0	4,0	4	38,0	1,3
<i>Rhamnus spathulæfolia</i>	3	23	23,0	24	24,0	23,3	23,3	4,0	11	42,0	3,3
<i>Rhamnus ussuriensis</i>	1	28	28,0	28	28,0	28,0	28,0	1,0	1	38,0	
<i>Rhinanthus angustifolius</i>	60	19	20	26	25,0	20,7	21,2	2,7	28	40,5	
<i>Rhododendron</i>	8	16	19,7	16	20	16,0	17,8	2,3	6	45,0	
<i>Rhododendron adenagynum</i>	3	18	18,0	18	18,0	18,0	18,0		2		
<i>Rhododendron adenogynum</i>	3	20	22,0	20	22,0	20,0	22,0	2,5			
<i>Rhododendron adenosum</i>	1	21	21,0	21	21,0	21,0	21,0	2,0			
<i>Rhododendron aff. bureavii</i>	13	21	21,7	22	22,7	21,9	22,3	2,9	11	45,0	
<i>Rhododendron aff. ponticum</i>	24	18	19,3	19	20	18,5	18,8	2,1	24	42,5	
<i>Rhododendron albrechtii</i>	4	18	18,0	20	20,0	19,5	19,5		2	45,0	
<i>Rhododendron albrechtii</i>	3	18	19	18	19	18,0	18,3	3,0			
<i>Rhododendron alutaceum</i>	1	20	20,0	20	20,0	20,0	20,0				
<i>Rhododendron alutaceum</i>	1	20	20,0	20	20,0	20,0	20,0				
<i>Rhododendron ambiguum</i>	8	25	25,7	25	25,7	25,0	25,7	2,3	4		
<i>Rhododendron arborescens</i>	2	25	25,0	26	26,0	25,5	25,5				
<i>Rhododendron arborescens</i>	1	19	19,0	19	19,0	19,0	19,0	2,0	1		
<i>Rhododendron arboreum</i>	1	25	25,0	25	25,0	25,0	25,0		1		
<i>Rhododendron arboreum</i>	2	19	20	19	19,5	19,0	19,5	3,5			
<i>Rhododendron argyrophyllum</i>	1	20	20,0	20	20,0	20,0	20,0				
<i>Rhododendron argyrophyllum</i>	14	22	23,3	24	24,0	23,0	23,7	2,4	12	45,0	
<i>Rhododendron atlanticum</i>	2	24	24,0	25	25,0	24,5	24,5				
<i>Rhododendron atlanticum</i>	18	19	20	19	20,0	19,0	19,7	3,3	9	43,0	
<i>Rhododendron augustinii</i> hybrid	2	20	20,0	20	20,0	20,0	20,0		1	37,0	
<i>Rhododendron augustinii</i> hybrid	2	17	17,5	17	17,5	17,0	17,5	3,0			
<i>Rhododendron aureum</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron aureum</i>	1	31	31,0	31	31,0	31,0	31,0	1,0			
<i>Rhododendron auriculatum</i>	20	22	22,7	22	22,0	22,0	23,2	2,6	35	41,5	3,0
<i>Rhododendron brachycarpum</i>	3	23	23,0	24	24,0	23,7	23,7				
<i>Rhododendron brachycarpum</i>	60	22	22,8	24	25,0	23,3	24,7	2,7	46	40,6	3,2
<i>Rhododendron brachycarpum</i> subsp. <i>fauriei</i>	9	23	23,5	24	24,8	23,5	24,1	2,7	19	43,0	
<i>Rhododendron brachycarpum</i> subsp. <i>tigerstedtii</i>	1	30	30,0	30	30,0	30,0	30,0	2,0			
<i>Rhododendron bureavii</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron bureavii</i>	1	19	19,0	19	19,0	19,0	19,0	2,0	1		
<i>Rhododendron bureavioideis</i>	2	18	18,0	20	20,0	19,0	19,0				
<i>Rhododendron bureavioideis</i>	1	20	20,0	20	20,0	20,0	20,0	2,0			
<i>Rhododendron bureavioideis</i> hybrid	18	19	21,7	24	24,0	23,0	23,5	2,6	13	45,0	
<i>Rhododendron calendulaceum</i>	4	24	24,0	25	25,0	24,5	24,5				
<i>Rhododendron calendulaceum</i>	3	17	17,5	17	17,5	17,0	17,5	1,5	1		
<i>Rhododendron calophytum</i>	2	16	16,0	18	18,0	17,0	17,0				
<i>Rhododendron calophytum</i>	2	23	23,0	23	23,0	23,0	23,0	1,5	2	43,0	
<i>Rhododendron calostratum</i> subsp. <i>keleticum</i>	6	18	18,7	18	19,0	18,0	18,8	2,3	3		
<i>Rhododendron campanulatum</i>	1	22	22,0	22	22,0	22,0	22,0				
<i>Rhododendron campanulatum</i>	6	18	20	19	20,7	18,3	19,8	2,7	3		
<i>Rhododendron campanulatum</i> hybrid	2	18	18,5	18	18,5	18,0	18,5	3,0	1		

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<i>Rhododendron fastigiatum</i>	4	20	20	20,0	20,5	20,0	20,5	20,3	1		
<i>Rhododendron fastigiatum</i>	1	22	22	22,0	22,0	22,0	22,0	22,0			
<i>Rhododendron ferrugineum</i>	26	20	22	21,0	27,0	22,7	23,8	23,3	28	38,1	
<i>Rhododendron ferrugineum</i>	3	22	22	22,0	22,0	22,0	22,0	22,0			
<i>Rhododendron ferrugineum</i> x <i>minus</i>	9	24	24	24,0	24,0	24,0	24,0	24,0	8	43,0	
<i>Rhododendron floribundum</i>	1	19	19	19,0	19,0	19,0	19,0	19,0			
<i>Rhododendron floribundum</i>	1	25	25	25,0	25,0	25,0	25,0	25,0			
<i>Rhododendron fortunei</i>	16	19	23	21,0	22,7	20,3	23,4	21,7	18	48,5	3,0
<i>Rhododendron fortunei</i>	2	22	22	22,0	22,0	22,0	22,0	22,0			
<i>Rhododendron fortunei</i> x <i>williamsianum</i> cv. 'Oldenburg'	8	20	20	20,0	21,3	20,5	21,3	20,8	5	42,0	
<i>Rhododendron groenlandicum</i>	7	22	23	22,5	22,5	22,0	23,0	22,5	2		
<i>Rhododendron groenlandicum</i>	1	24	24	24,0	24,0	24,0	24,0	24,0			
<i>Rhododendron haematodes</i>	2	19	19	19,0	20,0	19,5	19,5	19,5			
<i>Rhododendron heliolepis</i>	1	23	23	23,0	23,0	23,0	23,0	23,0			
<i>Rhododendron hemsleyanum</i>	1	22	22	22,0	22,0	22,0	22,0	22,0			
<i>Rhododendron hippophaeoides</i>	10	18	19	18,7	19,7	18,7	19,7	19,2	2		
<i>Rhododendron hippophaeoides</i>	1	20	20	20,0	20,0	20,0	20,0	20,0			
<i>Rhododendron hippophaeoides</i> hybrid	4	19	20	19,7	19,7	19,0	20,0	19,7	2		
<i>Rhododendron hirsutum</i>	9	24	24	24,0	24,5	24,0	24,6	24,3	10	39,1	
<i>Rhododendron hirsutum</i>	1	25	25	25,0	25,0	25,0	25,0	25,0			
<i>Rhododendron hirsutum</i>	2	18	18	18,0	19,0	18,5	18,5	18,5	1		
<i>Rhododendron hirtipes</i>	1	17	17	17,0	17,0	17,0	17,0	17,0			
<i>Rhododendron hirtipes</i>	1	20	21	20,5	20,5	20,0	21,0	20,5	1		
<i>Rhododendron houlstonii</i>	4	21	21	21,0	21,0	21,0	21,0	21,0	1	40,0	
<i>Rhododendron hybrid</i>	10	23	24	23,5	23,5	23,0	24,0	23,5			
<i>Rhododendron hybrid</i> cv. 'Cheerful Giant'	12	22	23	22,3	22,3	22,0	23,0	22,3	3		
<i>Rhododendron hybrid</i> cv. 'Klondyke'	6	22	24	22,7	22,7	22,0	24,0	22,7	5		
<i>Rhododendron hybrid</i> cv. 'Mount St. Helens'	10	22	22	22,0	22,3	22,0	22,3	22,1	3		
<i>Rhododendron hybrid</i> cv. 'Persil'	4	19	21	20,0	22,5	20,5	22,0	21,3	3		
<i>Rhododendron hybrid</i> cv. 'Pink Pearl'	4	22	24	22,7	22,7	22,0	24,0	22,7	2		
<i>Rhododendron hybrid</i> cv. 'Snowbird'	2	17	19	18,0	18,0	17,0	19,0	18,0	1		
<i>Rhododendron hybrid</i> h 'Aberconway' hybrid	3	19	23	20,7	20,7	19,0	23,0	20,7	1		
<i>Rhododendron hyperythrum</i>	1	22	22	22,0	22,0	22,0	22,0	22,0			
<i>Rhododendron hyperythrum</i>	2	23	23	23,0	23,0	23,0	23,0	23,0	2		
<i>Rhododendron insigne</i>	1	23	23	23,0	23,0	23,0	23,0	23,0			
<i>Rhododendron insigne</i>	1	21	21	21,0	21,0	21,0	21,0	21,0			
<i>Rhododendron kaempferi</i>	6	21	22	21,5	21,5	21,0	22,0	21,5	3		
<i>Rhododendron kaempferi</i> form <i>latisepalum</i>	3	19	20	19,3	19,3	19,0	20,0	19,3	2		
<i>Rhododendron keiskei</i>	12	19	22	20,7	21,3	19,0	22,2	21,1	9	51,0	
<i>Rhododendron kiusianum</i>	1	23	23	23,0	23,0	23,0	23,0	23,0			
<i>Rhododendron kiusianum</i>	10	19	23	21,3	22,3	21,3	23,0	22,1	7	50,0	
<i>Rhododendron kiusianum</i> cv. 'Mt. Fuji'	15	21	21	21,0	22,0	21,0	22,0	21,3	3		
<i>Rhododendron kiusianum</i> cv. 'Zuiko'	1	19	19	19,0	19,0	19,0	19,0	19,0	1		
<i>Rhododendron lacteum</i>	1	20	20	20,0	20,0	20,0	20,0	20,0			
<i>Rhododendron lacteum</i>	2	16	18	17,0	17,0	16,0	18,0	17,0			
<i>Rhododendron lapponicum</i>	1	23	23	23,0	23,0	23,0	23,0	23,0			
<i>Rhododendron lapponicum</i>	8	16	18	17,0	17,0	16,0	18,0	17,0	6		
<i>Rhododendron lutescens</i>	2	17	17	17,0	17,0	17,0	17,0	17,0			

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Rhododendron luteum</i>	109	20	20,0	22	23,3	20,9	21,5	2,8	70	43,9	
<i>Rhododendron luteum</i>	7	22	22,0	24	24,0	22,4	22,4				
<i>Rhododendron macrophyllum</i>	7	21	21,0	22	22,0	21,1	21,1	1,7	6	36,0	
<i>Rhododendron macrolepallum</i> cv. 'Linearifolium'	1	21	21,0	21	21,0	21,0	21,0	2,0			
<i>Rhododendron maculiferum</i> subsp. <i>anthweense</i>	4	20	20,0	20	20,0	20,0	20,0	3,0	2		
<i>Rhododendron maximum</i>	7	26	26,5	27	27,5	27,0	27,2	2,0	7		
<i>Rhododendron microgynum</i>	1	19	19,0	19	19,0	19,0	19,0	2,0	2	45,0	
<i>Rhododendron microgynum</i>	1	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron minus</i>	2	22	22,0	22	22,0	22,0	22,0				
<i>Rhododendron minus</i> var. <i>minus</i>	6	20	20,0	21	21,0	20,7	20,7	2,5			
<i>Rhododendron malle</i>	12	21	21,7	21	21,7	21,0	21,7	3,1	4		
<i>Rhododendron malle</i> subsp. <i>japonicum</i>	67	20	21,0	22	22,8	21,1	22,7	2,4	18	43,0	
<i>Rhododendron malle</i> x <i>?luteum</i>	4	24	24,0	24	24,0	24,0	24,0	3,0	7	43,0	
<i>Rhododendron mucronatum</i> form <i>album</i>	14	22	22,7	22	22,7	22,0	22,7	2,7	9	47,0	
<i>Rhododendron mucronulatum</i>	115	11	13,7	17	18,7	15,8	16,9	2,5	81	45,0	
<i>Rhododendron mucronulatum</i>	7	15	15,0	17	17,0	15,6	15,6				
<i>Rhododendron nakaharae</i> hybrid cv. 'Wombat'	3	23	23,7	23	23,7	23,0	23,7	2,3			
<i>Rhododendron occidentale</i>	35	16	20,7	26	27,3	19,8	24,8	2,2	68	45,0	
<i>Rhododendron occidentale</i>	16	25	25,0	27	27,0	25,7	25,7				
<i>Rhododendron oreodoxa</i>	3	16	16,7	16	16,7	16,0	16,7	2,3	1	47,0	
<i>Rhododendron oreodoxa</i>	1	17	17,0	17	17,0	17,0	17,0				
<i>Rhododendron oreodoxa</i> var. <i>fargesii</i>	4	17	18,0	17	18,0	17,0	18,0	2,5	2		
<i>Rhododendron oreotrephes</i>	3	20	20,0	20	20,0	20,0	20,0	2,8	1		
<i>Rhododendron oreotrephes</i>	1	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron pachysanthum</i>	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Rhododendron pachysanthum</i>	1	17	17,0	17	17,0	17,0	17,0				
<i>Rhododendron pachytrichum</i>	5	16	17,0	16	17,3	16,0	17,2	2,4	2	43,0	
<i>Rhododendron pachytrichum</i>	3	18	18,0	19	19,0	18,3	18,3				
<i>Rhododendron pachytrichum</i> var. <i>monospermum</i>	6	15	16,0	15	16,5	15,0	16,3	1,4	1		
<i>Rhododendron pachytrichum</i> var. <i>monospermum</i>	25	20	20,0	22	22,7	21,6	21,9	2,7	8	36,0	
<i>Rhododendron periclymenoides</i>	2	18	18,5	18	18,5	18,0	18,5	3,0	1		
<i>Rhododendron phaeochrysum</i>	1	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron phaeochrysum</i>	3	19	19,0	19	19,0	19,0	19,0	3,0	1		
<i>Rhododendron phaeochrysum</i> var. <i>agglutinatum</i>	7	19	19,5	19	19,5	19,0	19,5	3,0	8	43,0	
<i>Rhododendron phaeochrysum</i> var. <i>levistratum</i>	7	16	17,0	16	17,3	16,0	17,2	3,0	2		
<i>Rhododendron phaeochrysum</i> var. <i>phaeochrysum</i>	5	18	18,5	18	19,5	18,0	20,0	2,7	1		
<i>Rhododendron polylepis</i>	1	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron polylepis</i>	4	20	22,5	22	23,5	21,3	25,0	3,0	4	44,3	
<i>Rhododendron ponticum</i>	5	22	22,0	24	24,0	23,2	23,2				
<i>Rhododendron ponticum</i>	19	19	20,7	23	24,3	22,6	23,1	2,8	7		
<i>Rhododendron ponticum</i> hybrid	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Rhododendron principis</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron principis</i>	3	21	22,0	21	22,0	21,0	23,0	2,8	1		
<i>Rhododendron prinaphyllum</i>	1	30	30,0	30	30,0	30,0	30,0				
<i>Rhododendron prinaphyllum</i>	1	19	19,0	19	19,0	19,0	19,0	1,0			
<i>Rhododendron przewalskii</i>	1	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron przewalskii</i>	22	17	18,0	19	19,3	18,6	19,8	2,2	8		
<i>Rhododendron racemosum</i>	2	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron racemosum</i>											

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Rhododendron recurvoides</i>	2	18	18,0	19	19,0	18,5	18,5	1,0			
<i>Rhododendron recurvoides</i>	1	17	17,0	17	17,0	17,0	17,0				
<i>Rhododendron rex</i>	2	19	19,0	19	19,0	19,0	19,0				
<i>Rhododendron roxleanum</i>	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Rhododendron rubiginosum</i>	18	17	18,0	17	18,0	17,0	19,0	2,3	7		
<i>Rhododendron rubiginosum</i>	1	17	17,0	17	17,0	17,0	17,0				
<i>Rhododendron rupicola</i>	13	20	20,7	21	22,0	20,5	21,1	2,6	5		
<i>Rhododendron rupicola</i> var. <i>chryseum</i>	5	19	21	21	20,0	19,0	20,0	2,3	2		
<i>Rhododendron russatum</i>	5	19	20	19	19,3	19,0	19,3	3,0			
<i>Rhododendron russatum</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron saluenense</i> subsp. <i>chameuneum</i>	1	26	26,0	26	26,0	26,0	26,0	1,0			
<i>Rhododendron schlippenbachii</i>	174	18	18,7	20	21	20,7	19,4	2,7	149	43,5	
<i>Rhododendron schlippenbachii</i>	13	19	19,0	22	22,0	20,2	20,2				
<i>Rhododendron selense</i>	3	18	18,5	18	18,5	18,0	18,5	2,5	1		
<i>Rhododendron selense</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron skangense</i>	1	23	23,0	23	23,0	23,0	23,0				
<i>Rhododendron skirnowii</i>	5	22	22,5	22	22,5	22,0	22,5	1,8	2	45,0	
<i>Rhododendron smirnowii</i> hybrid	5	21	21,7	22	22,0	21,5	21,8	2,3	4	43,0	
<i>Rhododendron souliei</i>	1	24	24,0	24	24,0	24,0	24,0	3,0	1		
<i>Rhododendron souliei</i>	1	22	22,0	22	22,0	22,0	22,0				
<i>Rhododendron souliei</i>	41	15	16,0	17	17,3	16,1	16,6	2,7	26	43,0	2,0
<i>Rhododendron suchuenense</i>	8	16	16,0	24	24,0	18,6	18,6				
<i>Rhododendron suchuenense</i>	1	21	21,0	21	21,0	21,0	21,0	2,0	1		
<i>Rhododendron temenium</i>	5	16	17,3	16	17,3	16,0	19,0	2,1	10	45,0	
<i>Rhododendron thomsonii</i>	2	17	17,0	18	18,0	17,5	17,5				
<i>Rhododendron tomentosum</i>	1	23	23,0	23	23,0	23,0	23,0	3,0			
<i>Rhododendron tomentosum</i>	1	24	24,0	24	24,0	24,0	24,0				
<i>Rhododendron tomentosum</i> var. <i>nipponicum</i>	3	24	24,0	24	24,0	24,0	24,0	3,0	2		
<i>Rhododendron traillianum</i>	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Rhododendron traillianum</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron trichostomum</i>	5	22	23,0	23	23,3	22,5	24,0	2,8	1		
<i>Rhododendron trichostomum</i>	4	19	19,0	23	23,0	22,0	22,0				
<i>Rhododendron tsariense</i>	1	16	16,0	16	16,0	16,0	16,0	1,0			
<i>Rhododendron tsariense</i>	1	18	18,0	18	18,0	18,0	18,0				
<i>Rhododendron ungerii</i>	3	18	18,3	18	18,3	18,0	18,0	2,3			
<i>Rhododendron vaseyi</i>	29	19	19,7	20	20,7	20,0	20,6	2,6	27	43,0	
<i>Rhododendron vaseyi</i>	3	22	22,0	22	22,0	22,0	22,0				
<i>Rhododendron vernicosum</i>	3	18	18,0	19	19,0	18,3	18,3				
<i>Rhododendron viscosum</i>	6	26	27,7	26	27,7	26,0	30,0	2,6	4		
<i>Rhododendron viscosum</i>	1	29	29,0	29	29,0	29,0	29,0				
<i>Rhododendron viscosum</i>	4	22	23,0	23	23,7	23,0	24,0	2,2	2		
<i>Rhododendron viscosum</i> hybrid cv. 'Rosata'	8	22	22,7	22	22,7	22,0	22,7	3,0			
<i>Rhododendron viscosum</i> x <i>mollis</i> cv. 'Irene Koster'	21	17	17,7	18	18,3	17,5	18,9	3,0	18	45,0	
<i>Rhododendron wallichii</i>	4	18	18,0	19	19,0	18,3	18,3				
<i>Rhododendron wallichii</i>	7	18	19,3	21	21,3	20,0	21,0	2,5	8	45,0	
<i>Rhododendron wardii</i> cv. 'Hobbies Form'	5	20	20,7	20	21,7	20,0	22,5	2,2	2		
<i>Rhododendron wardii</i> hybrid	38	19	19,7	22	24,0	20,5	22,1	3,0	23	43,5	4,0
<i>Rhododendron watsonii</i>	2	18	18,0	19	19,0	18,5	18,5	1,5			

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<i>Rhododendron weyrichii</i>	2	21	23	22,0	21	23	22,0	2,5			
<i>Rhododendron wightii</i>	4	19	19	19,0	19	21	20,0	2,3	2		
<i>Rhododendron williamsianum</i>	12	19	20	19,3	20	20	19,5	3,3	11	43,0	
<i>Rhododendron williamsianum</i>	2	22	22	22,0	22	22	22,0	22,0			
<i>Rhododendron williamsianum</i> hybrid	7	19	20	19,5	19	20	19,5	3,0	1		
<i>Rhododendron williamsianum</i> hybrid cv. 'Wega'	22	20	22	21,0	20	22	21,0	3,0	5	43,0	
<i>Rhododendron X kesselringii</i>	5	23	25	24,0	23	25	24,0	3,0	3	47,0	
<i>Rhododendron X nikomontanum</i>	3	24	24	24,0	24	24	24,0	2,7	3	45,0	
<i>Rhododendron yedoense</i> hybrid	3	22	23	22,3	22	23	22,3	3,3	2	50,0	
<i>Rhododendron yedoense</i> var. <i>poukhanense</i>	27	18	22	20,3	21	24	22,3	2,2	5	0,0	
<i>Rhododendron yunnanense</i>	8	19	22	20,3	20	22	21,0	2,1	4	43,0	
<i>Rhododendron yunnanense</i>	2	19	19	19,0	19	19	19,0	19,0			
<i>Rhodotypos scandens</i>	6	20	21	20,3	20	22	21,0	2,8	13	38,9	2,0
<i>Rhus ambigua</i>	2	20	20	20,0	20	20	20,0	4,0			
<i>Rhus aromatica</i>	1	20	20	20,0	20	20	20,0	4,0			
<i>Rhus potaninii</i>	1	26	26	26,0	26	26	26,0	4,0	3	37,0	
<i>Rhus punjabensis</i> var. <i>sinica</i>	2	26	27	26,5	26	27	26,5	3,5			
<i>Rhus radicans</i> var. <i>nyderbergii</i>	2	28	28	28,0	28	28	28,0	3,0	5	46,0	1,0
<i>Rhus trilobata</i>	1	19	19	19,0	19	19	19,0	3,0			
<i>Rhus typhina</i>	1	29	29	29,0	29	29	29,0	4,0	1	39,0	
<i>Rhus verniciflua</i>	7	26	29	27,0	26	29	27,3	3,9	2	40,5	
<i>Ribes</i>	6	17	18	17,5	17	19	18,7	2,2	1	45,0	4,0
<i>Ribes alpinum</i>	54	15	18	16,3	19	20	19,3	3,7	33	30,3	2,1
<i>Ribes americanum</i>	3	18	19	18,7	18	19	18,7	3,7	1	29,0	2,0
<i>Ribes atropurpureum</i>	5	18	19	18,5	18	19	18,5	2,9	9	28,9	1,0
<i>Ribes bracteosum</i>	3	19	19	19,0	21	21	21,0	2,7	8	35,4	1,7
<i>Ribes cynosbati</i>	3	19	20	19,3	19	20	20,3	2,3	1	38,0	1,0
<i>Ribes diacanthum</i>	2	17	20	18,5	17	20	18,5	1,5	2	29,5	
<i>Ribes fasciculatum</i> var. <i>chinense</i>	3	19	19	19,0	19	19	19,0	3,3	1		
<i>Ribes formosanum</i>	3	19	19	19,0	19	19	19,0	2,8	1	39,0	
<i>Ribes glaciale</i>	5	17	19	18,3	17	19	18,3	4,0			
<i>Ribes hispidulum</i>	3	19	19	19,0	19	19	19,0	3,3	1	33,0	2,0
<i>Ribes hudsonianum</i>	4	18	19	18,5	18	19	18,5	3,8	1	30,0	2,0
<i>Ribes irriguum</i>	6	16	19	17,5	16	19	17,5	3,5	9	30,4	3,0
<i>Ribes lacustre</i>	6	18	19	18,7	18	19	18,7	3,3	4	28,5	2,3
<i>Ribes latifolium</i>	3	19	28	23,5	19	28	23,5	3,3			
<i>Ribes laxiflorum</i>	11	17	19	18,3	17	19	18,3	3,0			
<i>Ribes leptanthum</i>	4	18	19	18,7	18	19	18,7	3,7	6	30,0	3,0
<i>Ribes lobbiai</i>	2	19	20	19,5	19	20	19,5	4,0			
<i>Ribes nigrum</i> x <i>grossularia</i>	1	19	19	19,0	19	19	19,0	4,0			
<i>Ribes pallidiflorum</i>	1	19	19	19,0	19	19	19,0	3,0	2	29,0	1,0
<i>Ribes petraeum</i>	2	19	19	19,0	19	19	19,0	3,0	2	29,0	
<i>Ribes pinetorum</i>	6	17	18	17,3	17	19	17,7	1,8	1	30,0	2,0
<i>Ribes rubrum</i>	2	19	19	19,0	19	19	19,0	1,5			
<i>Ribes sanguineum</i>	8	16	19	17,7	19	20	19,3	3,4	4	30,0	2,5
<i>Ribes spicatum</i>	21	16	18	16,7	16	19	18,0	3,2	15	29,1	1,5
<i>Ribes stenocarpum</i>	3	17	19	18,3	17	19	18,3	3,7			
<i>Ribes ussuriensis</i>	14	17	19	18,0	19	19	18,3	2,8	4	37,3	1,5

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<i>Ribes uva-crispa</i>	9	17	19	17	19	17,0	18,0	3,3	8	28,8	2,5
<i>Ribes warszewiczii</i>	5	19	19	19	19	19,0	19,0	3,8			
<i>Robinia luxurians</i>	2	22	30	22	30	22,0	26,0	3,0	1		
<i>Robinia pseudoacacia</i>	2	25	25	25	25	25,0	25,0	4,0			
<i>Robinia viscosa</i>	2	27	28	27	28	27,0	27,5	3,5	9	40,6	3,0
<i>Rosa</i>	7	22	24	24	25	23,6	24,5	2,8	2	37,5	
<i>Rosa acicularis</i>											
<i>Rosa amblyotis</i>	7	20	23	20	24	20,0	22,3	2,8	9	34,9	2,2
<i>Rosa helenae</i> cv. 'Lykkefund'	3	27	28	27	28	27,0	27,3	2,3	1		
<i>Rosa jacutica</i>	3	23	24	23	24	23,0	23,7	2,3	3	34,5	1,0
<i>Rosa luciae fujisanensis</i>	3	26	26	26	26	26,0	26,0	3,0	4	44,0	4,0
<i>Rosa majalis</i>	1	26	26	26	26	26,0	26,0	2,0	2	38,0	
<i>Rosa maximowicziana</i>	2	25	25	25	25	25,0	25,0	3,5	2		
<i>Rosa moyesii</i>	3	24	25	24	25	24,0	24,3	2,7	4	38,5	3,0
<i>Rosa multiflora</i>	6	26	29	27	29	27,0	27,7	3,6	3	36,0	
<i>Rosa nutkana</i>	1	23	23	23	23	23,0	23,0	3,0	1	34,0	3,0
<i>Rosa omeiensis</i>	8	22	23	24	26	23,0	24,7	2,2	8	33,7	2,0
<i>Rosa palustris</i>	1	30	30	30	30	30,0	30,0	3,0	4	44,0	3,0
<i>Rosa pendulina</i>	3	24	25	24	25	24,0	24,3	2,3	3	36,3	2,0
<i>Rosa pimpinellifolia</i> cv. 'Rofolo'	4	22	23	22	23	22,0	22,5	3,0	1	38,0	
<i>Rosa pimpinellifolia</i> x <i>villosa</i> cv. 'Ripollo'	4	23	25	23	25	23,0	25,0	3,3	4	36,3	3,0
<i>Rosa pisocarpa</i>	1	27	27	27	27	27,0	27,0	3,0	1	38,0	
<i>Rosa rugosa</i>	6	15	25	23	25	20,3	23,1	2,6	12	35,3	2,0
<i>Rosa setipoda</i>	3	26	27	26	27	26,0	26,3	3,3	3	39,3	3,0
<i>Rosa sweginzowii</i>									1	37,0	
<i>Rosa tomentosa</i>	3	24	26	24	26	24,0	25,0	2,3	4	37,2	2,0
<i>Rosa villosa</i>									1	37,0	
<i>Rosa virginiana</i>	3	26	29	26	29	26,0	27,3	2,3	4	39,2	4,0
<i>Rosa woodsii</i>	1	25	25	25	25	25,0	25,0	1,0	1	38,0	
<i>Rubus odoratus</i>	2	23	24	23	24	23,0	23,5	3,0			
<i>Rubus parviflorus</i>	10	23	24	23	24	23,0	23,5	2,6	2	31,5	3,0
<i>Rubus phoenicolasius</i>									1	34,0	
<i>Rubus spectabilis</i>	8	19	20	20	20	19,5	19,8	1,9	16	28,7	3,0
<i>Salix</i>	12	14	17	18	24	15,3	18,3	1,8			
<i>Salix alaxensis</i>	4	16	16	18	18	16,5	16,5	4,0	3	23,7	
<i>Salix alba</i>	4	19	19	19	19	19,0	19,0	4,0			
<i>Salix alba</i> x <i>fragilis</i> var. <i>coerulea</i>	2	19	19	19	19	19,0	19,0	4,0	1	34,0	4,0
<i>Salix alba</i> cv. 'Chermesina'	3	19	21	19	21	19,0	20,0	4,0			
<i>Salix arbutifolia</i>	1	19	19	19	19	19,0	19,0	2,0			
<i>Salix borealis</i>	5	16	18	16	18	16,0	17,3	3,3			
<i>Salix caprea</i> hybrid cv. 'Silberglantz'	3	14	17	14	17	14,0	15,5	2,8			
<i>Salix cinerea</i> subsp. <i>cinerea</i>	1	18	18	18	18	18,0	18,0	4,0			
<i>Salix elaeagnos</i>	1	18	18	18	18	18,0	18,0	3,0			
<i>Salix fragilis</i>	3	19	19	19	19	19,0	19,0	3,3			
<i>Salix fragilis</i> var. <i>decipiens</i>	1	19	19	19	19	19,0	19,0	4,0			
<i>Salix glauca</i> cv. 'Sericea'	1	20	20	20	20	20,0	20,0	2,0	1		
<i>Salix helvetica</i>	3	16	19	16	19	16,0	17,3	3,7			
<i>Salix hookeriana</i>	9	15	17	15	17	15,0	16,0	4,0			

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<i>Salix koriyanagi</i>	4	14	18	15,7	15	18	16,0	14,5	18,0	15,8	4,0
<i>Salix myrsinifolia</i>	11	16	18	16,7	16	18	17,0	16,0	18,0	16,9	3,6
<i>Salix phylicifolia</i>	2	20	20	20,0	20	20	20,0	20,0	20,0	20,0	2,0
<i>Salix phylicifolia</i> cv. 'Gilvidir'	3	19	19	19,0	19	19	19,0	19,0	19,0	19,0	3,0
<i>Salix sachalinensis</i> cv. 'Secca'	3	15	18	16,7	15	18	16,7	15,0	18,0	16,7	4,0
<i>Salix urbaniana</i>	3	20	21	20,5	20	21	20,5	20,0	21,0	20,5	4,0
<i>Salix viminalis</i>	3	16	19	17,3	16	19	17,3	16,0	19,0	17,3	3,3
<i>Sambucus</i>	2	20	20	20,0	20	20	20,0	20,0	20,0	20,0	4,0
<i>Sambucus caerulea</i>	8	25	25	25,0	25	28	26,3	25,0	26,0	25,4	3,9
<i>Sambucus callicarpa</i>	6	20	20	20,0	20	21	20,3	20,0	20,5	20,2	3,8
<i>Sambucus callicarpa</i> var. <i>arborescens</i>	17	19	20	19,3	20	22	20,7	19,2	20,5	19,6	3,8
<i>Sambucus canadensis</i>	2	27	27	27,0	27	27	27,0	27,0	27,0	27,0	4,0
<i>Sambucus cf. nigra</i>	1	25	25	25,0	25	25	25,0	25,0	25,0	25,0	4,0
<i>Sambucus miquelii</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	3,0
<i>Sambucus nigra</i> form <i>lacinata</i>	8	25	27	26,0	25	28	26,3	25,0	27,5	26,2	3,6
<i>Sambucus pubens</i>	9	19	22	20,0	20	22	20,7	19,8	22,0	20,5	3,7
<i>Sambucus pubens</i> form <i>aurantiacus</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	20,0	3,0
<i>Sambucus racemosa</i> x <i>nigra</i>	1	21	21	21,0	21	21	21,0	21,0	21,0	21,0	2,0
<i>Sambucus sieboldiana</i>											4,0
<i>Sarcococca humilis</i>	5	12	14	13,0	12	15	13,3	12,0	14,5	13,2	3,7
<i>Sarcococca saligna</i>	4	13	14	13,5	13	15	14,0	13,0	14,5	13,8	2,8
<i>Schizandra chinensis</i>	5	20	21	20,5	20	23	21,5	20,0	22,3	21,1	1,9
<i>Schizandra grandiflora</i> var. <i>rubriflora</i>	9	22	23	22,3	23	23	23,0	22,4	23,0	22,7	2,8
<i>Sciadopitys verticillata</i>	1	19	19	19,0	19	19	19,0	19,0	19,0	19,0	1,0
<i>Securinega suffruticosa</i>	27	28	35	31,5	31	38	34,5	29,7	36,8	33,2	2,6
<i>Sequoiadendron giganteum</i>	11	14	17	15,0	14	18	15,3	14,0	17,5	15,2	3,5
<i>Shepherdia canadensis</i>	4	16	17	16,5	16	17	16,5	16,0	17,0	16,5	3,5
<i>Sibiraea angustata</i>	3	20	20	20,0	20	20	20,0	20,0	20,0	20,0	2,7
<i>Sinocalycanthus chinensis</i>	1	28	28	28,0	28	28	28,0	28,0	28,0	28,0	1,0
<i>Skimmia japonica</i>	17	17	19	18,0	19	19	19,0	17,7	19,0	18,5	3,0
<i>Sorbaria</i>	6	30	31	30,3	30	32	30,7	30,0	31,5	30,5	4,0
<i>Sorbaria kirilowii</i>	12	28	32	30,0	28	33	30,3	28,0	32,2	30,1	3,7
<i>Sorbaria sorbifolia</i>	5	26	28	27,0	26	29	27,5	26,0	28,3	27,1	3,5
<i>Sorbaria stellipila</i> var. <i>stellipila</i>	2	28	29	28,5	28	29	28,5	28,0	29,0	28,5	4,0
<i>Sorbaria tomentosa</i> var. <i>angustifolia</i>	4	29	32	30,5	29	32	30,5	29,0	32,0	30,5	2,8
<i>Sorbus</i>	3	22	22	22,0	22	22	22,0	22,0	22,0	22,0	4,0
<i>Sorbus aff. meliosmifolia</i>	3	20	22	21,0	20	22	21,0	20,0	22,0	21,0	4,0
<i>Sorbus alnifolia</i>	8	20	21	20,7	20	21	20,7	20,0	21,0	20,7	3,1
<i>Sorbus alnifolia</i> x <i>aria</i>	32	20	22	21,0	22	23	22,3	21,3	22,5	21,9	3,9
<i>Sorbus americana</i>	5	21	22	21,7	21	23	22,0	21,0	22,5	21,8	4,0
<i>Sorbus amurensis</i>	6	21	22	21,7	21	27	23,3	21,0	24,0	22,3	3,7
<i>Sorbus aria</i>	1	23	23	23,0	23	23	23,0	23,0	23,0	23,0	3,0
<i>Sorbus aria</i> var. <i>edulis</i>	8	21	22	21,7	21	24	22,3	21,0	23,0	22,0	3,9
<i>Sorbus aucuparia</i>	1	22	22	22,0	22	22	22,0	22,0	22,0	22,0	4,0
<i>Sorbus cf. alnifolia</i>	12	21	22	21,5	22	23	22,5	21,8	22,6	22,2	3,4
<i>Sorbus chamaemespilus</i>	8	22	22	22,0	22	23	22,5	22,0	22,6	22,3	3,6
<i>Sorbus commixta</i>	45	20	22	21,3	24	25	24,3	22,1	23,4	22,8	3,9
											3,5

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Sorbus cv. 'Joseph Rock'</i>	3	22	23	22,5	22	23	22,5	4,0	4	39,7	3,5
<i>Sorbus cv. 'Kirstens Pink'</i>	1	23	23	23,0	23	23	23,0	3,0	5	37,7	2,5
<i>Sorbus decora</i>	2	22	23	22,5	22	23	22,5	3,0	3	34,8	3,0
<i>Sorbus decora cv. 'Fastigiata'</i>	4	22	23	22,3	22	23	22,3	4,0	6	34,3	3,0
<i>Sorbus domestica</i>	2	22	23	22,5	22	23	22,5	2,0	3	39,7	3,0
<i>Sorbus dumosa</i>	4	22	22	22,0	22	22	22,0	3,3	6	34,7	2,0
<i>Sorbus federavii</i>	4	23	24	23,3	23	24	23,3	4,0	4	41,5	2,0
<i>Sorbus folgeri</i>	2	22	23	22,5	22	23	22,5	4,0	3	43,0	3,0
<i>Sorbus forrestii</i>	6	22	23	22,7	22	23	22,7	3,3	1	41,0	2,0
<i>Sorbus glabrescens</i>	10	22	24	23,0	23	24	23,0	3,9	6	37,0	2,0
<i>Sorbus groenlandica</i>	1	26	26	26,0	26	26	26,0	4,0	4	41,1	4,0
<i>Sorbus hupehensis</i>	2	22	23	22,5	22	23	22,5	4,0	2	41,7	3,5
<i>Sorbus intermedia</i>	1	22	22	22,0	22	22	22,0	4,0	2	38,0	
<i>Sorbus japonica</i>	1	23	23	23,0	23	23	23,0	4,0	4	43,0	3,0
<i>Sorbus kaehneana</i>	1	22	22	22,0	22	22	22,0	3,0	2	38,3	
<i>Sorbus latifolia</i>	11	19	20	19,7	19	20	19,7	3,6	15	41,0	2,4
<i>Sorbus longifolia</i>	6	19	20	19,3	19	20	19,3	3,7	4	35,7	
<i>Sorbus matsumurana</i>	1	23	23	23,0	23	23	23,0	2,0	6		
<i>Sorbus megalocarpa</i>	3	22	25	23,7	22	25	23,7	3,7	23	38,8	1,7
<i>Sorbus microphylla</i>	24	22	23	22,3	22	23	22,3	3,6	19	39,0	3,0
<i>Sorbus mougeotii</i>	10	21	22	21,7	21	22	21,7	3,3	3	33,8	3,0
<i>Sorbus occidentalis</i>	2	21	23	22,0	21	23	22,0	4,0	4	35,5	
<i>Sorbus pohuashanensis</i>	3	21	22	21,7	21	22	21,7	4,0	3	41,7	4,0
<i>Sorbus poteriifolia</i> h. 'McLaren 84' hybrid	1	23	23	23,0	23	23	23,0	3,0	1	38,7	1,0
<i>Sorbus pratii</i>	2	22	23	22,5	22	23	22,5	3,0	4	39,0	
<i>Sorbus pseudovertesensis</i>	2	23	24	23,5	23	24	23,5	4,0	4	35,3	4,0
<i>Sorbus rehderana</i>	2	20	22	21,0	20	22	21,0	4,0	1	49,0	
<i>Sorbus rhamnoides</i>	15	22	23	22,7	23	24	23,7	3,8	16	37,1	3,0
<i>Sorbus rufoferruginea</i>	14	19	20	19,3	20	21	19,6	3,0	3	40,5	1,0
<i>Sorbus rupicola</i>	1	25	25	25,0	25	25	25,0	3,0	16	33,7	2,1
<i>Sorbus sambucifolia</i>	1	23	23	23,0	23	23	23,0	4,0	3	38,3	
<i>Sorbus sargentiana</i>	2	21	21	21,0	21	21	21,0	2,0	1	40,0	
<i>Sorbus scalaris</i>	6	22	23	22,5	22	23	22,5	4,0	3	34,0	1,0
<i>Sorbus scapolina</i>	4	24	24	24,0	24	24	24,0	3,0	5	37,2	3,0
<i>Sorbus subsimilis</i>	5	22	23	22,3	22	23	22,3	3,8	4	40,3	
<i>Sorbus tamamschianae</i>	2	23	23	23,0	23	23	23,0	2,0	7	40,6	2,0
<i>Sorbus taurica</i>	2	24	24	24,0	24	24	24,0	3,0	5	37,3	3,3
<i>Sorbus terminalis</i>	1	24	24	24,0	24	24	24,0	2,0	7	33,9	2,5
<i>Sorbus ursina</i>	3	20	22	21,0	20	22	21,0	4,0	2	39,0	3,0
<i>Sorbus vilmorini</i>	1	23	23	23,0	23	23	23,0	4,0	4	34,5	3,0
<i>Sorbus X danubialis</i>	3	20	20	20,0	20	20	20,0	2,7	1	36,0	
<i>Sorbus X hostii</i>	2	27	28	27,5	27	28	27,5	3,5	1		
<i>Sorbus xanthoneura</i>	5	28	28	28,0	28	28	28,0	2,8	3	41,0	
<i>Spiraea</i>											
<i>Spiraea alba</i>											

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Spiraea betulifolia</i>	2	23	23	23	23,0	23,0	23,0	3,0			
<i>Spiraea blumei</i> var. <i>latifolia</i>	10	18	24	25	24,3	21,7	24,0	3,4	5	43,0	
<i>Spiraea</i> cf. <i>arcuata</i>	5	21	22	24	21,5	21,5	23,0	2,8	2	43,0	
<i>Spiraea chamaedryfolia</i>	13	19	20	25	19,7	20,6	21,7	3,5	4	40,5	
<i>Spiraea douglasii</i>	3	29	33	29	31,0	29,0	33,0	2,8	1		
<i>Spiraea douglasii</i> var. <i>menziesii</i>	9	29	30	29	29,5	29,0	30,0	3,5	6		
<i>Spiraea flexuosa</i>	15	19	20	19	19,7	19,0	20,8	2,7	7	39,8	
<i>Spiraea formosana</i>	11	30	31	30	30,5	30,0	31,0	3,2	13	40,3	
<i>Spiraea fritschiana</i>	9	26	27	26	26,3	26,0	27,3	3,4	7	41,5	4,0
<i>Spiraea henryi</i>	2	23	24	23	23,5	23,0	24,0	4,0	1		
<i>Spiraea humilis</i>	10	24	25	25	24,3	24,8	25,3	3,3	6	41,0	
<i>Spiraea hypericifolia</i> subsp. <i>obovata</i>	1	23	23	23	23,0	23,0	23,0	3,0			
<i>Spiraea japonica</i>	10	20	28	21	26,3	21,0	28,0	3,6	6	37,5	4,0
<i>Spiraea japonica</i> var. <i>fortunei</i>	2	28	29	28	28,5	28,0	29,0	4,0	1	42,0	
<i>Spiraea japonica</i> var. <i>incisa</i>	3	21	22	21	21,7	21,0	22,0	3,3	3	36,5	3,0
<i>Spiraea latifolia</i>	4	26	27	26	26,5	26,0	27,0	3,0	14	37,0	4,0
<i>Spiraea media</i>	15	20	20	20	20,0	20,0	20,9	3,5	14	38,8	
<i>Spiraea media</i> var. <i>sericea</i>	9	19	21	19	19,7	19,0	21,0	2,7	8	35,0	3,0
<i>Spiraea miyabei</i>	16	26	28	26	26,7	26,0	28,8	3,2	18	43,2	4,0
<i>Spiraea pubescens</i>	2	21	23	21	22,0	21,0	23,0	4,0			
<i>Spiraea pumila</i> (japonica x albiflora)	1	28	28	28	28,0	28,0	28,0	4,0	1		
<i>Spiraea rosthornii</i>	8	23	23	23	23,0	23,0	23,0	4,0	13	38,0	4,0
<i>Spiraea salicifolia</i>	7	23	24	23	23,7	23,0	24,0	3,3	4	41,0	
<i>Spiraea sargentiana</i>	1	24	24	24	24,0	24,0	24,0	3,0	1		
<i>Spiraea sericea</i>	23	19	20	19	19,3	19,0	20,6	3,1	9	38,7	
<i>Spiraea stevenii</i>	1	21	21	21	21,0	21,0	21,0	2,0			
<i>Spiraea trilobata</i>	4	19	24	19	21,5	19,0	24,0	3,0			
<i>Spiraea veitchii</i>	1	28	28	28	28,0	28,0	28,0	4,0	1	40,0	
<i>Spiraea virgata</i>	9	22	23	23	22,5	22,8	23,0	2,4	3		
<i>Stachyurus chinensis</i>	3	17	18	17	17,3	17,0	18,0	3,7			
<i>Stachyurus praecox</i>	15	15	18	15	16,3	15,0	18,0	3,7	2	43,0	
<i>Staphylea bumalda</i>	3	23	23	24	23,0	23,3	23,3	2,7	1	41,0	
<i>Staphylea holocarpa</i>	1	19	19	19	19,0	19,0	19,0	3,0			
<i>Staphylea pinnata</i>	14	20	20	21	22,3	20,8	21,8	3,2	10	41,0	2,5
<i>Staphylea trifolia</i>	3	21	22	21	21,5	21,0	22,0	3,5	2	43,0	2,0
<i>Stephanandra chinensis</i>	6	25	25	25	25,0	25,0	25,0	4,0	1		
<i>Stephanandra incisa</i>	22	24	25	25	24,7	24,4	26,8	3,7	3		
<i>Stewartia koreana</i>	2	28	29	28	28,5	28,0	29,0	4,0	1	39,0	
<i>Stewartia monadelpha</i>	2	27	29	27	28,0	27,0	29,0	2,5	1		
<i>Stewartia rostrata</i>	2	26	27	26	26,5	26,0	27,0	2,5	6	34,6	0,5
<i>Stewartia serrata</i>	4	25	26	25	25,7	25,0	26,0	2,7	4	41,8	
<i>Styrax japonicus</i>	5	25	26	26	26,0	25,5	26,0	3,5	6	43,5	2,5
<i>Styrax obassia</i>	5	24	25	24	24,7	24,0	25,0	3,2	4	43,5	4,0
<i>Sycopsis sinensis</i>	3	17	18	17	17,5	17,0	18,5	2,0	2	50,0	
<i>Symphoricarpos</i>	3	25	28	25	26,5	25,0	28,0	3,0	13	38,0	3,0
<i>Symphoricarpos albus</i>	4	27	28	27	27,5	27,0	28,0	3,0	13	37,4	3,0
<i>Symphoricarpos albus</i> var. <i>laevigatus</i>									6	36,3	2,3
<i>Symphoricarpos hesperius</i>	1	28	28	28	28,0	28,0	28,0	4,0	1	35,0	

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<i>Symphoricarpos microphyllus</i>	1	26	26,0	26	26,0	26,0	26,0	2,0	7	37,0	1,3
<i>Symphoricarpos mollis</i>	2	23	23,5	23	23,5	23,0	23,5	2,5	4	35,0	3,5
<i>Symphoricarpos occidentalis</i>	5	20	21,3	23	23,3	21,5	22,3	3,3	8	36,8	2,5
<i>Symphlocos prunifolia</i>	9	25	30,0	25	30,0	25,0	30,0	3,5	5	38,0	4,0
<i>Syringa</i>	2	25	25,5	25	25,5	25,0	25,5	4,0	8	40,0	
<i>Syringa amurensis</i>	3	23	23,3	23	23,3	23,0	23,3	3,7	2	40,0	
<i>Syringa amurensis</i> var. <i>japonica</i>	4	22	23,0	22	23,0	22,0	23,0	3,8	3	40,3	4,0
<i>Syringa cf. tomentella</i>	3	22	22,7	22	22,7	22,0	22,7	4,0	3	42,5	
<i>Syringa josikaea</i>	12	22	23,0	23	23,3	22,7	23,2	3,3	2	42,5	
<i>Syringa komarowii</i>	5	23	23,3	23	23,7	23,0	23,4	3,9	7	43,8	
<i>Syringa komarowii</i> subsp. <i>reflexa</i>	2	22	22,5	22	22,5	22,0	22,5	3,5	4	40,5	
<i>Syringa meyeri</i>	2	19	20,0	19	20,0	19,0	20,0	2,5	2	42,0	
<i>Syringa oblata</i> var. <i>dilatata</i>	1	23	23,0	23	23,0	23,0	23,0	3,0	1	40,0	
<i>Syringa pekinensis</i>	4	26	26,0	26	26,0	26,0	26,0	3,5	7	44,5	
<i>Syringa reticulata</i> subsp. <i>amurensis</i>	11	22	23,0	23	23,7	23,0	23,3	3,5	6	42,0	
<i>Syringa sweginzowii</i>	19	23	23,3	24	24,0	23,1	23,4	3,4	11	40,0	
<i>Syringa tigerstedtii</i>	8	22	23,0	22	23,3	22,0	23,1	3,9	8	41,3	
<i>Syringa tomentella</i>	22	23	22,3	24	24,3	23,6	23,8	3,6	1	41,0	
<i>Syringa tomentella</i> hybrid	2	21	22,5	21	22,5	21,0	22,5	4,0	14	40,1	
<i>Syringa velutina</i>	19	20	21,3	22	22,7	21,6	22,0	3,4	3	41,5	3,0
<i>Syringa villosa</i>	12	18	20,0	22	23,0	20,5	21,9	3,6	14	43,8	3,0
<i>Syringa vulgaris</i>	1	20	20,0	20	20,0	20,0	20,0	3,0	11	40,3	4,0
<i>Syringa X diversifolia</i>	1	23	23,0	23	23,0	23,0	23,0	3,0	1		
<i>Syringa X josiflexa</i>	11	22	23,0	23	23,5	22,8	23,4	3,3	9	39,3	3,0
<i>Syringa yunnanensis</i>	1	18	18,0	18	18,0	18,0	18,0	1,0	6	41,2	4,0
<i>Taxodium distichum</i>	3	14	15,3	14	15,3	14,0	15,3	3,3	48	39,3	2,9
<i>Taxus</i>	61	13	14,3	15	16,3	14,0	15,2	3,4	3	41,3	3,0
<i>Taxus baccata</i>	1	14	14,0	14	14,0	14,0	14,0	4,0	1	44,0	
<i>Taxus baccata</i> cv. 'Fastigiata'	2	14	14,0	14	14,0	14,0	14,0	4,0	3	39,0	4,0
<i>Taxus baccata</i> cv. 'Lutea'	13	17	17,7	17	17,7	17,0	17,7	3,7	2	40,0	3,0
<i>Taxus baccata</i> cv. 'Stricta'	1	17	17,0	17	17,0	17,0	17,0	3,0	2	32,0	
<i>Taxus brevifolia</i>	16	13	14,3	14	15,7	13,8	15,2	3,7	13	40,7	3,0
<i>Taxus canadensis</i>	2	15	16,0	15	16,0	15,0	16,0	4,0	6	40,5	
<i>Taxus chinensis</i>	88	14	15,5	14	15,5	14,0	15,5	3,8	72	39,3	4,0
<i>Taxus cuspidata</i>	2	17	17,0	17	17,0	17,0	17,0	4,0	1	40,0	
<i>Taxus cuspidata</i> form <i>nana</i>	1	17	17,0	17	17,0	17,0	17,0	4,0	1	41,0	
<i>Thuja koraiensis</i>	37	15	15,5	16	16,3	15,0	16,3	4,0	61	41,0	
<i>Thuja occidentalis</i>	7	16	16,0	15	15,0	15,0	15,0	4,0	6	41,0	
<i>Thuja occidentalis</i> cv. 'Rosenthalii'	2	16	16,0	16	16,0	16,0	16,0	4,0	5	43,8	
<i>Thuja occidentalis</i> cv. 'Theodanensis'	12	14	14,5	14	15,0	14,0	14,7	4,0	23	41,2	
<i>Thuja plicata</i>	6	14	14,5	15	14,5	14,0	14,5	3,5	3	44,0	
<i>Thuja plicata</i> x <i>standishii</i>											
<i>Thuja standishii</i>											
<i>Thuja standishii</i> x <i>plicata</i>											
<i>Thujiopsis dolabrata</i>											

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score			
<i>Viburnum lantana</i>	27	20	21	20,7	21	22	21,7	20,4	22,0	21,2	3,5	23	37,1	2,2
<i>Viburnum lantana</i> var. <i>discolor</i>	1	20	20	20,0	20	20	20,0	20,0	20,0	20,0	4,0	1	43,0	
<i>Viburnum lentago</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	4,0			
<i>Viburnum lobophyllum</i>	2	25	25	25,0	25	25	25,0	25,0	25,0	25,0	4,0	8	39,1	3,8
<i>Viburnum opulus</i>	22	22	24	23,0	24	25	24,5	23,2	24,2	23,7	3,6	47	38,0	2,8
<i>Viburnum opulus</i> form <i>hydrangeoides</i>	13	23	24	23,7	24	25	24,3	23,7	24,3	24,0	3,1	24	38,6	2,5
<i>Viburnum opulus</i> var. <i>calvescens</i>	3	23	23	23,0	23	23	23,0	23,0	23,0	23,0	3,5	3	42,0	4,0
<i>Viburnum opulus</i> var. <i>sargentii</i>	10	23	24	23,7	24	25	24,7	23,8	24,5	24,1	3,7	22	38,7	2,8
<i>Viburnum ovatifolium</i>												2	39,0	
<i>Viburnum prunifolium</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,0			
<i>Viburnum rafinesquianum</i>	4	20	23	21,5	20	23	21,5	20,0	23,0	21,5	3,3	3	36,7	
<i>Viburnum recognitum</i>	1	24	24	24,0	24	24	24,0	24,0	24,0	24,0	4,0			
<i>Viburnum rhytidophyllum</i>	2	20	21	20,5	20	21	20,5	20,0	21,0	20,5	3,5	4	37,0	2,0
<i>Viburnum sieboldii</i>	3	23	24	23,3	23	24	23,3	23,0	24,0	23,3	4,0	1	38,0	
<i>Viburnum tomentosum</i>	9	21	23	21,7	23	23	23,0	22,0	23,0	22,4	3,8			
<i>Viburnum tomentosum</i> cv. 'Marlesii'	3	22	23	22,3	22	23	22,3	22,0	23,0	22,3	3,7			
<i>Viburnum tomentosum</i> form <i>sterile</i>	12	21	23	22,0	23	27	24,3	22,0	23,8	22,9	3,5			
<i>Viburnum urceolatum</i>	1	26	26	26,0	26	26	26,0	26,0	26,0	26,0	3,0	3	33,7	3,0
<i>Viburnum wilsonii</i>	2	20	22	21,0	20	22	21,0	20,0	22,0	21,0	4,0	3	38,5	3,0
<i>Viburnum wrightii</i>	7	22	22	22,0	22	23	22,7	22,0	22,7	22,4	3,8	13	37,9	3,0
<i>Viburnum wrightii</i> cv. 'Hessel'												3	34,3	4,0
<i>Viburnum X burkwoodii</i>	3	19	21	19,7	19	21	19,7	19,0	21,0	19,7	4,0	2	43,0	
<i>Viscum album</i>	5	14	16	15,0	14	16	15,0	14,0	16,0	15,0	3,4	4	48,0	
<i>Vitis amurensis</i>												2	43,0	
<i>Vitis coignetiae</i>												6	43,0	
<i>Vitis piasezkii</i> var. <i>pagnuccii</i>												1	41,0	4,0
<i>Weigela</i> aff. <i>hortensis</i>	15	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,0	19	43,5	
<i>Weigela</i> cv. 'Andida'	3	24	24	24,0	24	24	24,0	24,0	24,0	24,0	3,3	2	43,9	
<i>Weigela decora</i>	17	25	25	25,0	25	25	25,0	25,0	25,0	25,0	3,0	29	43,9	
<i>Weigela japonica</i>	32	25	25	25,0	25	26	25,3	25,0	25,1	25,0	3,1	23	43,6	
<i>Weigela maximowiczii</i>	12	25	25	25,0	25	25	25,0	25,0	25,0	25,0	3,5	12	43,1	
<i>Weigela middendorffiana</i>	58	19	20	19,7	24	25	24,3	21,0	23,1	21,9	2,5	42	41,7	2,0
<i>Weigela subsessilis</i>	34	20	21	20,3	23	24	23,3	21,6	22,8	22,3	3,1	18	43,0	
<i>Xanthorhiza simplicissima</i>	2	18	19	18,5	18	19	18,5	18,0	19,0	18,5	3,5	2	42,5	
<i>Yucca filamentosa</i>	2	18	30	24,0	18	30	24,0	18,0	30,0	24,0	3,5			

Species	Total sample size flower	First flower week interval	Average first flower week	Last flower week interval	Average last flower week	Average flower week interval	Total average flower week	Mean flower score	Total sample size fruit	Mean Fruit Week	Mean fruit score
<i>Thuopsis dolabrata</i> var. <i>hondai</i>	2	16	16,0	16	16,0	16,0	16,0	4,0	2	44,0	
<i>Tilia americana</i>	1	31	31,0	31	31,0	31,0	31,0	4,0	3	43,0	3,5
<i>Tilia amurensis</i>	7	27	28,0	27	28,7	27,0	28,3	4,0	5	42,0	3,0
<i>Tilia caucasica</i>	7	26	27,3	29	30,0	27,5	28,7	4,0	6	40,6	3,0
<i>Tilia cordata</i>	8	27	28,7	28	29,0	27,8	28,9	4,0	5	42,5	4,0
<i>Tilia dasystyla</i>									1	42,0	
<i>Tilia henryana</i> var. <i>subglabra</i>	5	26	28,0	27	28,3	26,5	28,2	4,0	1	42,0	
<i>Tilia insularis</i>	9	27	29,0	29	30,0	28,0	29,6	4,0	3	42,0	
<i>Tilia japonica</i>									10	42,3	3,0
<i>Tilia koreana</i>									1	42,0	
<i>Tilia maximowiczii</i>	3	27	29,0	27	29,0	27,0	29,0	4,0	6	42,3	4,0
<i>Tilia petiolaris</i>	2	26	29,5	26	29,5	26,0	29,5	4,0	1	43,0	
<i>Tilia platyphyllos</i>	5	27	27,7	27	28,0	27,0	27,9	3,9	3	40,0	4,0
<i>Tilia platyphyllos</i> cv. 'Laciniata'	4	27	27,7	27	28,0	27,0	27,8	4,0			
<i>Tilia X euchlora</i>	1	26	26,0	26	26,0	26,0	26,0	4,0	2	40,0	
<i>Tilia X europaea</i>	3	27	28,0	27	28,0	27,0	28,0	4,0	2	40,0	
<i>Tilia X maltkei</i>	2	26	26,5	26	26,5	26,0	26,5	4,0	1	43,0	
<i>Torreya californica</i>	3	21	22,0	21	22,0	21,0	22,0	3,5			
<i>Tripterygium regelii</i>	13	27	28,3	28	28,7	27,8	28,6	3,8	10	41,0	
<i>Tripterygium wilfordii</i>	2	28	28,0	28	28,0	28,0	28,0	4,0	1		
<i>Trochodendron aralioides</i>	3	23	23,0	23	23,0	23,0	23,0	3,5	3	43,0	
<i>Tsuga canadensis</i>	2	21	21,0	21	21,0	21,0	21,0	3,5	1		
<i>Tsuga diversifolia</i>	4	19	19,0	21	21,0	20,3	20,3	3,5	3	45,0	
<i>Tsuga heterophylla</i>	10	19	19,7	20	20,0	19,1	19,7	4,0	10	41,8	
<i>Tsuga mertensiana</i>	1	21	21,0	21	21,0	21,0	21,0	3,0	3	41,0	
<i>Tsuga x jeffreyi</i>									1	41,0	
<i>Ulmus cf. pumila</i>	5	14	15,0	14	15,0	14,0	15,0	3,0			
<i>Ulmus laciniata</i>	1	17	17,0	17	17,0	17,0	17,0	4,0			
<i>Ulmus laevis</i>	1	19	19,0	19	19,0	19,0	19,0	2,0			
<i>Ulmus pumila</i>	8	14	22,7	14	22,7	14,0	22,7	3,3			
<i>Vaccinium corymbosum</i>	12	18	19,0	18	20,3	18,0	19,7	3,5	24	39,7	1,7
<i>Vaccinium corymbosum</i> cv. 'Adams'	2	23	23,5	23	23,5	23,0	23,5	3,5	8	40,8	2,0
<i>Vaccinium ovalifolium</i>	13	15	16,0	18	18,0	17,0	17,4	3,3	7	31,5	1,8
<i>Vaccinium parvifolium</i>	2	22	22,0	23	23,0	22,5	22,5	2,0	6	32,8	0,8
<i>Viburnum</i>	2	21	21,5	21	21,5	21,0	21,5	3,5	1	34,0	
<i>Viburnum alnifolium</i>	3	19	19,3	19	19,3	19,0	19,3	2,7			
<i>Viburnum betulifolium</i>	5	23	23,0	23	23,7	23,0	23,3	4,0	9	38,8	3,8
<i>Viburnum buddleifolium</i>	2	19	19,5	19	19,5	19,0	19,5	4,0			
<i>Viburnum burejeticum</i>	3	20	20,5	20	20,5	20,0	20,5	3,5			
<i>Viburnum carlesii</i>	3	20	21,0	20	21,0	20,0	21,0	3,7	2	38,0	
<i>Viburnum carlesii</i> x <i>macrocephalum</i>	3	20	21,0	20	21,0	20,0	21,0	4,0	1	44,0	
<i>Viburnum cf. carlesii</i>	4	20	21,0	20	21,0	20,0	21,0	4,0	6	39,4	4,0
<i>Viburnum cotinifolium</i>	6	22	22,0	22	22,0	22,0	22,0	3,5	7	37,9	
<i>Viburnum dentatum</i>	2	25	25,5	25	25,5	25,0	25,5	3,0			
<i>Viburnum dilatatum</i>	9	26	26,0	26	26,0	26,0	26,0	3,6	15	38,6	4,0
<i>Viburnum erosum</i>	3	25	25,7	25	25,7	25,0	25,7	4,0	4	39,3	3,0
<i>Viburnum fragrans</i>	2	20	21,5	20	21,5	20,0	21,5	3,5			
<i>Viburnum furcatum</i>	22	17	17,3	18	18,3	17,3	18,9	3,3	20	33,0	2,8



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